

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

ISSUED:  
EFFECTIVE:  
BY: Gregory Barnum - Vice President

TITLE PAGE  
ORIGINAL PAGE 1

**PRIVATE LINE SERVICE TARIFF  
of  
Computer Network Technology Corporation.**

REGULATIONS AND SCHEDULE OF CHARGES  
APPLICABLE TO COMMUNICATIONS SERVICES  
REGULATED BY THE  
PUBLIC SERVICE COMMISSION OF KENTUCKY

PUBLIC SERVICE COMMISSION  
OF KENTUCKY  
EFFECTIVE

OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

BY: Charles L. Barnum  
EXECUTIVE DIRECTOR

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## CHECK SHEET

<u>SECTION</u>	<u>PAGE</u>	<u>REVISION</u>
Title	1	ORIGINAL*
Check Sheet	1	ORIGINAL*
Check Sheet	2	ORIGINAL*
Check Sheet	3	ORIGINAL*
Check Sheet	4	ORIGINAL*
Check Sheet	5	ORIGINAL*
Contents	1	ORIGINAL*
Index	1	ORIGINAL*
Preface	1	ORIGINAL*
Preface	2	ORIGINAL*
1	1	ORIGINAL*
2	1	ORIGINAL*
2	2	ORIGINAL*
2	3	ORIGINAL*
2	4	ORIGINAL*
2	5	ORIGINAL*
2	6	ORIGINAL*
2	7	ORIGINAL*
2	8	ORIGINAL*
2	9	ORIGINAL*
2	10	ORIGINAL*
2	11	ORIGINAL*
2	12	ORIGINAL*
2	13	ORIGINAL*
2	14	ORIGINAL*
2	15	ORIGINAL*
2	16	ORIGINAL*
2	17	ORIGINAL*
2	18	ORIGINAL*
2	19	ORIGINAL*
2	20	ORIGINAL*
2	21	ORIGINAL*
2	22	ORIGINAL*
2	23	ORIGINAL*
2	24	ORIGINAL*
2	25	ORIGINAL*
2	26	ORIGINAL*
2	27	ORIGINAL*
2	28	ORIGINAL*
2	29	ORIGINAL*
2	30	ORIGINAL*
2	31	ORIGINAL*

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## CHECK SHEET

SECTION	PAGE	REVISION
6	1	ORIGINAL*
7	1	ORIGINAL*
7	2	ORIGINAL*
7	3	ORIGINAL*
7	4	ORIGINAL*
7	5	ORIGINAL*
7	6	ORIGINAL*
7	7	ORIGINAL*
7	8	ORIGINAL*
7	9	ORIGINAL*
7	10	ORIGINAL*
7	11	ORIGINAL*
8	1	ORIGINAL*
8	2	ORIGINAL*
8	3	ORIGINAL*
8	4	ORIGINAL*
8	5	ORIGINAL*
8	6	ORIGINAL*
9	1	ORIGINAL*
9	2	ORIGINAL*
9	3	ORIGINAL*
9	4	ORIGINAL*
9	5	ORIGINAL*
10	1	ORIGINAL*
10	2	ORIGINAL*
10	3	ORIGINAL*
10	4	ORIGINAL*

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<u>SECTION</u>	<u>PAGE</u>	<u>REVISION</u>
19	1	ORIGINAL*
19	2	ORIGINAL*
19	3	ORIGINAL*
19	4	ORIGINAL*
19	5	ORIGINAL*
20	1	ORIGINAL*
Price List	1	ORIGINAL*
Price List	2	ORIGINAL*
Price List	3	ORIGINAL*
Price List	4	ORIGINAL*
Price List	5	ORIGINAL*
Price List	6	ORIGINAL*
Price List	7	ORIGINAL*
Price List	8	ORIGINAL*
Price List	9	ORIGINAL*
Price List	10	ORIGINAL*
Price List	11	ORIGINAL*
Price List	12	ORIGINAL*
Price List	13	ORIGINAL*
Price List	14	ORIGINAL*
Price List	15	ORIGINAL*
Price List	16	ORIGINAL*
Price List	17	ORIGINAL*
Price List	18	ORIGINAL*
Price List	19	ORIGINAL*
Price List	20	ORIGINAL*
Price List	21	ORIGINAL*
Price List	22	ORIGINAL*
Price List	23	ORIGINAL*
Price List	24	ORIGINAL*
Price List	25	ORIGINAL*
		OCT
		PURSUANT TO SE-

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EXECUTIVE DIRECTOR

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CONTENTS  
ORIGINAL PAGE 1

MASTER TABLE OF CONTENTS

Section

	Title Page
	Check Sheet
TOC	Table of Contents
Preface	How To Use This Tariff
1	Application of Tariff
2	General Regulations
3	General Description
4	Interoffice Channel Mileage Measurement
5	Local Channel Mileage Measurement
6	Special Arrangements
7	T1.5 Service-Interoffice
8	1.544 MBPS-Local Channel Service
9	T45 Service-Interoffice
10	T45 MBPS-Local Channel Service
11	Asynchronous Transfer Mode
12	(Reserved for future use)
13	(Reserved for future use)
14	Voice Grade Local Channel Services
15	SONET Services - Interoffice
16	SONET Services - Local
17	CNT Regional Frame Relay Services
18	Miscellaneous Equipment and Arrangements
19	Additional Administrative and Operational Functions
20	Billing Contents
	Price List

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PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

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EXECUTIVE DIRECTOR

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STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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INDEX  
ORIGINAL PAGE 1

<u>Section</u>	INDEX	<u>Price List Page</u>
	Title Page	
	Check Sheet	
TOC	Table of Contents	
Preface	How To Use This Tariff	
1	Application of Tariff	
2	General Regulations	
3	General Description	
4	Interoffice Channel Mileage Measurement	
5	Local Channel Mileage Measurement	
6	Special Arrangements	
7	T1.5 Service-Interoffice	1-5
8	1.544 MBPS-Local Channel Service	6-8
9	T45 Service-Interoffice	9-10
10	T45 MBPS-Local Channel Service	11
11	Asynchronous Transfer Mode	12
12	(Reserved for future use)	13
13	(Reserved for future use)	14
14	Voice Grade Local Channel Services	15-21
15	SONET Services - Interoffice	22-23
16	SONET Services - Local	24
17	CNT Regional Frame Relay Services	25-27
18	Miscellaneous Equipment and Arrangements	28-32
19	Additional Administrative and Operational Functions	33-38
20	Billing Contents	

PUBLIC SERVICE COMMISSION  
OF KENTUCKY  
EFFECTIVE

OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

BY Charles L. Barnum  
EXECUTIVE DIRECTOR



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PREFACE  
ORIGINAL PAGE 1

PREFACE  
HOW TO USE THIS TARIFF

Explanation of Symbols for Coding Tariff Revisions

Revisions to this tariff are coded through the use of symbols. These symbols appear in the right margin of the page. The symbols and their meanings are:

- C - indicates changed regulation.
- D - indicates discontinued rate or regulation.
- N - indicates new rate or regulation, and/or text.
- T - indicates a change in text but no change in rate or regulation
- I - indicates an increase in rate.
- R - indicates a reduction in rate.
- M - indicates relocation of material

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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EXECUTIVE DIRECTOR

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PREFACE  
ORIGINAL PAGE 2

PREFACE  
HOW TO USE THIS TARIFF

ABBREVIATIONS AND DEFINITIONS - Following is a list of the abbreviations used in this tariff (see Explanation of Abbreviations, below). In addition, the General Regulations section contains definitions of certain technical terms and terms with specific meaning in the context of this tariff.

EXPLANATION OF ABBREVIATIONS

Ac	- alternating current
CNT	- Computer Network Technology Corporation
bps	- bits per second
COC	- Central Office Connection
dB	- decibel
dc	- direct current
DS1	- Digital Signal Level 1
F.C.C.	- Federal Communications Commission
Hz	- Hertz
ICB	- Individual Case Basis
IOC	- interoffice channel
kpbs	- kilobits per second
KHz	- kilohertz
LATA	- Local Access and Transport Area
LDMTS	- Long Distance Message Telecommunications Service
LEC	- Local Exchange Company
Mbps	- Megabits per second
Mcs	- microseconds
MF	- Multifrequency Pulsing
MHz	- Megahertz
MTS	- Message Telecommunications Service
NPA	- Numbering Plan Area
NXX	- Local Exchange Central Office Code
PBX	- Private Branch Exchange
P.S.C.	- Public Service Commission
USOC	- Uniform Service Order Code
V & H	- Vertical and Horizontal
WATS	- Wide Area Telecommunications Service
wpm	- Words-per-minute
2W	- Two-wire
4W	- Four-wire

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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PRIVATE LINE SERVICES TARIFF

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SECTION 1  
ORIGINAL PAGE 1

1. APPLICATION OF TARIFF

1.1 Application

1.1.1 General

- A. This tariff contains the regulations and rates applicable to private line services furnished in the State of Kentucky for intrastate communications.

Private line services are furnished by means of wire, radio, fiber optics or any suitable technology or combination of technologies.

- B. Private line services are provided by Computer Network Technology Corporation. (herein referred to as "CNT" or "the Company").

1.1.2 Jurisdiction

Jurisdiction refers to the classification of a private line service as intrastate (subject to the jurisdiction of the Kentucky State Public Service Commission) or as interstate (subject to the jurisdiction of the Federal Communications Commission).

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OCT 26 2003

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

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SECTION 2  
ORIGINAL PAGE 1

2. GENERAL REGULATIONS

2.1 Undertaking of CNT

2.1.1 General

A private line service is furnished for the transmission of communications. It may include one or more interoffice and/or local channels, office connections, office functions, miscellaneous functions, miscellaneous equipment, and channel options. A private line service may also consist solely of an office connection or solely of an office function.

Private line services are provided on a monthly basis.

CNT is responsible for end-to-end service between customers' premises when (1) a private line service uses the Access Coordination Function and a Local Channel, or (2) a private line service uses the Access Coordination Function and other access. Service dates of components may be independent of each other when the customer obtains access other than that furnished under the Local Channel sections of this Tariff.

CNT does not transmit messages. However, the private line facilities it furnishes may be used for that purpose.

2.1.2 Transmission Medium

CNT selects and/or arranges for the facilities and/or equipment used to provide a private line Service. CNT may modify or change the facilities and/or equipment at any time subject to the regulations within this tariff. Any suitable technology or combination of technologies may be used.

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SECTION 9 (1)

BY Charles L. Dore  
EXECUTIVE DIRECTOR

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SECTION 2  
ORIGINAL PAGE 2

2. GENERAL REGULATIONS

2.1 Undertaking of CNT (Cont'd)

2.1.3 Provision of Private Line Services

The services offered under this tariff are subject to the availability of suitable facilities and equipment.

A. Engineering, Installation, and Maintenance

CNT fully supports the private line services provided under this tariff through engineering, installation, and maintenance efforts. CNT will ensure that each private line service functions properly within its specified transmission, signaling, or switching parameters. The technical characteristics and specifications of each type of private line service are described or referenced in the respective service sections.

1. Engineering

CNT will engineer a private line service to meet its transmission parameters and/or equipment specifications.

2. Installation

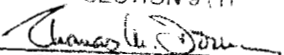
CNT will schedule installation activity to meet the due date of the private line service. If the customer's request that installation activity be performed at other than CNT's scheduled time results in premium payment for labor, additional charges will apply.

The local channels provided under this tariff (a) will include any entrance cable or drop wiring and wire in intrabuilding cable to that point where provision is made for termination of the LEC's outside distribution network facilities at a suitable location inside a customer's premises, and (b) will be installed to such point of termination.

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SECTION 9 (1)

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SECTION 2  
ORIGINAL PAGE 3

2. GENERAL REGULATIONS

2.1 Undertaking of CNT (Cont'd)]

2.1.3 Provision of Private Line Services (Cont'd)

A. Engineering, Installation, and Maintenance (Cont'd)

3. Maintenance

CNT will maintain and repair, or arrange for the maintenance and repair of only the private line service which it provides. The testing of a service which is routed through a designated CNT central office will be made from that office.

If a trouble condition occurs, the customer is responsible for determining if the trouble is in any customer equipment or customer-provided communications system which is connected at the customer's premises. A Maintenance of Service Charge will apply if, at the customer's request, a repair person is dispatched to the customer premises and testing discloses that the private line service is functioning correctly. No charge will apply, however, if at a later time the trouble condition is actually determined to be a malfunction of any CNT-provided private line service.

2.1.4 Through Transmission of Signals

CNT is responsible for the quality of transmission and signaling on the private line services it provides.

2.1.5 Limitations on the Provision of a Private Line Service

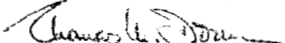
A. Availability

A private line service is offered subject to the availability of the facilities and equipment required to provide the service.

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SECTION 9 (1)

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SECTION 2  
ORIGINAL PAGE 4

2. GENERAL REGULATIONS

2.1 Undertaking of CNT (Cont'd)

2.1.5 Limitations on the Provision of a Private Line Service (Cont'd)

A. Availability (Cont'd)

CNT bases the rates and charges quoted in this tariff on services furnished under normal conditions. Where installation of facilities involves unusual costs because of factors such as the time period, type of facility or location requested by the customer, special construction charges based on maintenance, operation, depreciation, engineering, return on investment and other expenses associated with furnishing the service may apply. Special construction charges may consist of recurring charges, nonrecurring charges, or both. Special construction charges may also include termination charges. Special equipment and arrangements not otherwise provided in this tariff will be provided on an individual case basis. These services will be provided only if CNT deems them to be practical and only if the special equipment or arrangement is in accord with and used in connection with other services provided by CNT. Charges for these services will be based on the estimated service costs including maintenance, operation, depreciation, administration, taxes, and other service specific costs, and a reasonable amount for return and contingencies.

B. Restoration of Private Line Services

In the event of failure, private line services will be restored in compliance with Part 64, Subpart D, of the FCC's Rules and Regulations.

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SECTION 9 (1)

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SECTION 2  
ORIGINAL PAGE 5

2. GENERAL REGULATIONS

2.1 Undertaking of CNT (Cont'd)

2.1.5 Limitations on the Provision of a Private Line Service (Cont'd)

C. Hazardous Locations

Service will not be furnished at a location that CNT considers hazardous (e.g. explosive atmosphere environments). In such cases, CNT, if so requested, may terminate the facilities at a mutually agreeable alternate location. The customer will then be responsible for extension to the hazardous location.

D. Billing Capability

Services offered under this tariff will be provided only if billing capabilities for the services exist.

2.1.6 Transfer or Assignment

A private line service may be transferred or assigned to a new customer, provided that:

- A. The customer of record (former customer) requests in writing that CNT transfer or assign the private line service to the new customer.
- B. The new customer notifies CNT in writing that it agrees to assume all obligations of the former customer at the time of transfer or assignment. These obligations include: (1) all outstanding indebtedness for the private line service, (2) the unexpired portion of any applicable minimum payment period(s), and (3) any applicable termination liability(ies).
- C. The private line service is not interrupted or relocated at the time the transfer or assignment is made.

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EXECUTIVE DIRECTOR



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SECTION 2  
ORIGINAL PAGE 6

2. GENERAL REGULATIONS

2.1 Undertaking of CNT (Cont'd)

2.1.6 Transfer or Assignment (Cont'd)

- D. CNT acknowledges the transfer or assignment in writing. The acknowledgment will be made within 15 days of receipt of notification.

The transfer or assignment does not relieve or discharge the former customer from remaining jointly and severally liable with the new customer for any obligations existing at the time of transfer or assignment. These obligations include: (1) all outstanding indebtedness for the private line service, (2) the unexpired portion of any applicable minimum payment period(s), and (3) any applicable termination liability(ies).

2.1.7 Provision of a Design Layout Report

The customer may order a Design Layout Report describing the makeup of the facilities used to provide the interoffice channel portion of a service, the makeup of local channels used to provide a service, or both. The rates for the report(s) and a description of the information provided are contained in within this tariff. Design Layout Reports can only be provided on services ordered after the effective date of this Tariff.

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EXECUTIVE DIRECTOR

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SECTION 2  
ORIGINAL PAGE 7

2. GENERAL REGULATIONS

2.2 Use

2.2.1 General

A private line service may be used for any purpose permitted by law and consistent with its transmission or switching parameters.

2.2.2 Resale or Shared Use

When a private line service is resold or shared, the customer may advise its user that a portion of its service is provided by CNT. However, the customer shall not represent that CNT jointly participates with the customer in the provision of its services.

2.2.3 Interference, Impairment, and Hazard

The customer's use of a private line service must not interfere with, or impair, any services provided by CNT to others. In addition, it must not endanger the safety of installation/maintenance personnel or the public; damage or interfere with the functioning of CNT equipment or service; or otherwise injure the public in its use of these offerings.

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OCT 26 2003

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SECTION 9 (1)

BY Charles L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 2  
ORIGINAL PAGE 8

2. GENERAL REGULATIONS

2.3 Responsibilities of CNT

2.3.1 Liability

- A. CNT's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a customer or by any others, for damages associated with the installation, provision, termination, maintenance, repair, or restoration of a private line service, and subject to the provisions of B. through J. following, CNT's liability, if any, shall not exceed an amount equal to the proportionate charge provided for under this tariff for the private line service for the period during which the service was affected.
- B. CNT is not liable for damages associated with service, channels, or equipment which it does not furnish.
- C. CNT is not liable for any act or omission of any other carrier providing a portion of a private line service, nor shall CNT for its own act or omission hold liable any other carrier providing a portion of a private line service.
- D. CNT is not liable for damages to a premises resulting from the furnishing of service, including the installation and removal of equipment and associated wiring, unless the damage is caused by CNT's negligence.

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
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SECTION 2  
ORIGINAL PAGE 9

2. GENERAL REGULATIONS

2.3 Responsibilities of CNT (Cont'd)

2.3.1 Liability (Cont'd)

- E. CNT shall be indemnified, defended and held harmless by the customer and user against all claims, losses, or damages arising from the use of private line services furnished pursuant to this tariff, involving:
1. Claims for libel, slander, invasion of privacy, or infringement of copyright arising from any communication;
  2. Claims for patent infringement arising from combining or using the private line service furnished by CNT in connection with facilities or equipment furnished by others; or
  3. All other claims arising out of any act or omission of others relating to private line services provided pursuant to this tariff.
- F. No license under patents (other than the limited license to use) is granted by CNT or shall be implied or arise by estoppel, with respect to any private line service offered under this tariff. CNT will defend the customer and user against claims of patent infringement arising solely from the use by the customer or user of private line services offered under this tariff and will indemnify such customer or user for any damages awarded based solely on such claims.
- G. CNT's failure to provide or maintain private line services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, natural catastrophes, and other circumstances beyond CNT's reasonable control, subject to the provisions for Credit Allowances for Interruptions in this tariff.
- H. CNT does not guarantee or make any warranty with respect to its local channel services when used in an explosive atmosphere. CNT shall be indemnified, defended, and held harmless by the customer and user against all claims, losses, or damages by any person relating to the services provided pursuant to this tariff when used in an explosive atmosphere.
- I. CNT shall not be liable for any failure of performance hereunder if such failure is due to any causes beyond the reasonable control of the Company. Such causes shall include, without limitation, acts of GOD, fire, explosion, vandalism, cable cut, storm or other similar occurrence, any law, order, regulation, direction, action or request of the United States government or of any other government or of any civil or military authority, national emergencies, insurrections, riots, wars, strikes, lockouts or work stoppages or other labor difficulties, supplier failures, shortages, breaches or delays, or preemptions of existing service to restore service in compliance with the Commission's Rule and Regulations.
- J. CNT shall not be liable for interruptions, delays, errors, or defects in transmission, or for any injury whatsoever, caused by the Customers, or the Customer's agents, End Users, or customers, or by facilities or equipment provided by the Customers.

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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SECTION 2  
ORIGINAL PAGE 10

2. GENERAL REGULATIONS

2.3 Responsibilities of CNT (Cont'd)

2.3.2 Changes in Minimum Protection Criteria, Facilities, or Procedures

CNT is not responsible to any party if a change in a local channel service's Minimum Protection Criteria, facilities, operations or procedures (1) affects any facilities, customer equipment or customer-provided communications system in any way, or (2) requires their modification in order to be used. However, if such changes can be reasonably expected to materially affect the operating or transmission characteristics of the CNT Service, or render any customer equipment or customer-provided communications system incompatible, CNT will provide adequate notice, in writing, to allow the customer an opportunity to maintain uninterrupted service.

2.3.3 Service Dates

When a customer orders a local channel service, all components of the resulting end-to-end arrangement which are provided by CNT will begin service on the same date, unless otherwise specified by the customer.

2.3.4 Registration Information

CNT will make information available as required by Part 68 of the FCC's Rules and Regulations (e.g., the number of ringers that may be connected to a particular local channel service).

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SECTION 9 (1)

BY   
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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SECTION 2  
ORIGINAL PAGE 11

2. GENERAL REGULATIONS

2.4 Responsibilities of the Customer

2.4.1 General

The customer's general responsibilities are described in this section. When other access is connected to a private line service, the customer assumes additional responsibilities that are described in the Connections section of this tariff.

A. Placement of Orders, Payment of Bills, and Compliance with Regulations

The customer is responsible for placing orders, complying with tariff regulations, and assuring that its users comply with tariff regulations. The customer is also responsible for the payment of bills for private line service. The customer may appoint an agent to act on its behalf, as specified in B. following.

1. Information the Customer Must Provide

When a customer places an order for private line service, the following information must be provided by the customer so that CNT can design, install, maintain, and bill the private line service ordered:

The category of interoffice and local channel private line service, interface, and signaling (if required), The designated CNT central office to which the local channel service is to be routed (when the customer elects to specify routing or when the local channel service consists solely of access coordination function),

The customer's billing name and address,

The contact name, telephone number, and address at each customer premises where the installation will be made,

The customer's desire to use LEC bridging (when a multipoint local channel service is ordered), and the location of Local Exchange Company bridges (when the customer elects to specify LEC bridge locations),

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BY Charles L. Dineen  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

ISSUED:  
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SECTION 2  
ORIGINAL PAGE 12

2. GENERAL REGULATIONS

2.4 Responsibilities of the Customer (Cont'd)

2.4.1 General (Cont'd)

A. Placement of Orders, Payment of Bills, and Compliance with Regulations (Cont'd)

1. Information the Customer Must Provide (Cont'd)

Information regarding customer equipment as specified in Part 68.106 of the FCC Rules and Regulations - (Notification to telephone company).

The design information contained in the design layout record for other access when an order is placed to connect other access without the Access Coordination Function, and

Exemption certification when the Special Access Surcharge within this tariff does not apply.

B. Agency Agreement - CNT will accept orders from an agent appointed by the customer. An agency appointment must be sent to CNT in writing. If directed by the customer, the bill for the private line service will be sent to the agent and issued in the name of the customer, in care of the agent.

The customer retains responsibility for compliance with tariff regulations and for any act or omission of the agent, regardless of any limitations the customer may place on the agent's authority.

When the customer elects to order solely the access coordination function from CNT, the customer must give CNT written authorization to act on its behalf and is responsible for the access charges incurred.

C. Floor Space, Conduit, and Electrical Power at a Customer's Premises The customer must provide the equipment space, supporting structure, conduit, and electrical power required to terminate a local channel service at a customer's premises without charge to CNT. The space, structure, conduit, and power must be made available in sufficient time to permit the installation of the local channel service to be completed prior to its due date. Selection of AC or DC power will be a matter of mutual agreement between the customer and CNT.

D. Access to Customer's Premises

The customer is responsible for arranging customer premises access at any reasonable time so that installation/maintenance personnel may install, repair, maintain, inspect, or remove a local channel service. Customer premises access must be made available at a time mutually agreeable to the customer and CNT.

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OCT 26 2003

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SECTION 9(1)

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EXECUTIVE DIRECTOR

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CORPORATION  
STATE OF KENTUCKY  
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SECTION 2  
ORIGINAL PAGE 13

2. GENERAL REGULATIONS

2.4 Responsibilities of the Customer (Cont'd)

2.4.1 General (Cont'd)

E. Locations Involving High Voltage Power

When a customer orders a local channel service installed at a customer's premises where high voltage power is present, the customer shall:

1. Install, maintain, and pay for special facilities and protective apparatus required by federal, state, or local regulations.
2. Pay for required protective apparatus recommended for the location by CNT.

F. Availability for Maintenance, Testing, or Modifications The customer must make a private line service available for maintenance, testing, or implementation of changes it has ordered, at any reasonable, mutually agreeable time. Occasionally an impairment may only be evident at certain times (e.g., a certain hour of the day). In such cases, the private line service must be made available for testing during the same time periods if the trouble condition is to be corrected.

G. Damage to a Private Line Service

The customer must pay CNT for replacement or repair of a private line service when damage results from:

The negligence or willful act of the customer or others authorized by the customer,

Improper use of the private line service, or Any use of equipment or systems provided by the customer or others authorized by the customer.

After receipt of payment for the damages, CNT will cooperate with the customer in its claim against any third party causing the damage.

H. Ancillary Charges

The customer is responsible for the payment of any ancillary labor charges incurred, on its behalf, under tariffs of the local exchange companies, when the access coordination function is furnished.

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OCT 26 2003

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SECTION 9 (1)

BY Charles L. Dore  
EXECUTIVE DIRECTOR



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SECTION 2  
ORIGINAL PAGE 14

2. GENERAL REGULATIONS

2.4 Responsibilities of the Customer (Cont'd)

2.4.1 General (Cont'd)

I. Loss

The customer must pay for the loss through theft of any local channel service equipment installed at a customer's premises.

J. Use with a Customer-Provided Communications System or with Services Provided by Others

When a local channel service is used with a customer-provided communications system, or with a service(s) provided by others via connections at the customer's premises, the customer must make all arrangements concerning the connected system or service with its provider. The connection does not constitute a joint undertaking between CNT and the provider of the system or service. Connections will be made in accordance with the regulations set forth within this tariff.

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

BY Charles L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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SECTION 2  
ORIGINAL PAGE 15

2. GENERAL REGULATIONS

2.5 Payments and Charges

2.5.1 General

The charge for a private line service may be a recurring and/or a nonrecurring charge.

2.5.2 Application of Charges

The charges billed are based on the rates that are in effect in this tariff during the period that the private line service is furnished. If the rates for a period covered by a bill change after the bill has been rendered, the bill will be adjusted to reflect the new charges (see Fractional Charges and Credits within this tariff).

2.5.3 Payment of Charges

Payment is due upon presentation of a bill for the private line service furnished. A private line service may be discontinued for nonpayment of a bill (see Violation of Regulations within this tariff).

An administrative charge of \$6.00 will be applied by CNT each time a check or bank draft is returned by a bank to CNT for the reason of insufficient funds.

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OCT 26 2003

PURSUANT TO 807 KAR 5-011  
SECTION 9 (1)

BY Charles L. Brown  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

ISSUED:  
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SECTION 2  
ORIGINAL PAGE 16

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.4 Minimum Payment Period and Notice of Discontinuance

A. Minimum Payment Period

The minimum payment period is the minimum period for which the customer is required to make payment for the private line service. The charges applicable to the minimum payment period include the recurring charge(s) plus any nonrecurring and/or special construction charge(s) that may apply.

The minimum payment period is calculated from the date that billing started after (1) the initial installation, or (2) a reinstallation after a change.

Minimum payment period charges apply if the customer discontinues a private line service component before the specified minimum payment period expires. The minimum payment period for a given private line service component is specified in the section of this tariff applicable to that private line service component.

B. Notice of Discontinuance

CNT requires notice when private line services are to be discontinued. The required notice period and the application of charges, if any, are specified in the section applicable to the specific private line service. (Under certain conditions, this notice requirement may be waived.)

2.5.5 Advance Payments and Deposits

A. Advance Payment

An advance payment may be required before a private line service is provided when a customer has a history of late payments to CNT or when a customer's financial responsibility is not a matter of record. The advance payment will equal the charges for the minimum payment period and the applicable nonrecurring charges. In addition, the advance payment will include an amount equal to the estimated nonrecurring charges and one month's recurring charges (if any) when special construction is involved. The advance payment will be credited on the customer's bill(s). A deposit may apply in addition to an advance payment (see Deposits, following).

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SECTION 9(1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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ISSUED:  
EFFECTIVE:  
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SECTION 2  
ORIGINAL PAGE 17

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.5 Advance Payments and Deposits (Cont'd)

B. Deposits

To safeguard its interests, CNT may require a customer with a history of late payments to CNT or whose financial responsibility is not a matter of record to make a deposit to be held as a guarantee for the payment of charges. A deposit does not relieve the customer of the responsibility for the prompt payment of bills on presentation. The deposit will not exceed an amount equal to the sum of the charges for the minimum payment period for the private line service.

If a termination charge or a maximum termination liability is specified, the deposit may include an additional amount. This additional amount will not exceed the maximum charge(s) specified for the termination charge or maximum termination liability. An advance payment may be required in addition to a deposit (see Advance Payment, preceding).

1. Interest on a Cash Deposit

Simple interest at the rate of 7% per annum shall be credited or paid to the customer while the deposit is held by CNT except that no interest is paid on deposits held for less than six months.

2. Return of a Deposit

A deposit will be credited to a customer's account, and any credit balance remaining will be refunded, when the customer has established credit, or when the customer has established a prompt payment record with CNT for one year, or when the private line service for which the deposit had been required is discontinued.

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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

BY Charles E. Barnum  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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SECTION 2  
ORIGINAL PAGE 18

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.6 Types of Charges

There are two types of charges, recurring and nonrecurring. These charges are as follows:

A. Recurring Charges

The recurring charges for a private line service are listed in the applicable service section as:

1. Monthly Charge

A monthly charge applies each month or fraction thereof that a private line service is furnished. Monthly charges start on the day after the private line service is installed but not before the due date of the order unless the customer agrees to an earlier installation. Charges accrue through and include the day that the private line service is discontinued. Monthly charges will be billed in advance. When the billing date and the date that the private line service is started, changed, or discontinued do not coincide, the charges will be adjusted to reflect the fractional part of the month involved (see Fractional Charges and Credits, within this tariff). For billing purposes each month is considered to have 30 days.

B. Nonrecurring Charges

A nonrecurring charge applies for an activity, such as an installation, a move, or a change, ordered by the customer. A nonrecurring charge applies for each activity performed. The charge may differ according to the work activity involved. Other charges, such as termination charges, if applicable, are also classified as nonrecurring charges. In addition, other charges for specific functions as stated in this tariff are applied on a nonrecurring basis. Following is a description of the generic nonrecurring charges.

1. Installation Charge

An installation charge applies when a private line service is furnished. Installation charges are listed in the appropriate sections of this tariff. Installation charges may be further categorized as follows:

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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

BY Charles L. Dore  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 2  
ORIGINAL PAGE 19

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.6 Types of Charges (Cont'd)

B. Nonrecurring Charges (Cont'd)

1. Installation Charge (Cont'd)

- a. "First" denotes an installation charge for the first service of a group of identical services ordered at the same time and installed at the same time for the same customer and at the same location.
- b. "Additional" denotes an installation charge for each additional service--excluding the first--ordered at the same time and installed at the same time for the same customer and at the same location.
- c. "Initial" denotes an installation charge for options installed at the same time as the primary service with which they are associated.
- d. "Subsequent" denotes an installation charge associated with an option added to an existing service.

2. Move Charge

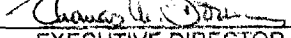
A move charge applies when the physical location of the termination of an interoffice channel or of an office connection or office function or local channel is changed at the customer's request. A move of any of these is considered to be the discontinuance of service at the old location and the reinstallation of the service at the new location. Installation charges apply only for the components that are moved. A new minimum payment period will be established.

When a component with a termination charge is moved, the customer must pay the unexpired portion of the termination charge. A new termination charge will be established at the new location. A move normally involves an interruption of the private line service for the period required to complete the move. No credit allowance will be granted for the period.

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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BY: Gregory Barnum - Vice President

SECTION 2  
ORIGINAL PAGE 20

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.6 Types of Charges (Cont'd)

B. Nonrecurring Charges (Cont'd)

2. Move Charge (Cont'd)

When a customer requests the installation of a duplicate service to avoid interruption during a move, recurring and nonrecurring charges will apply for the duplicate service. Charges will commence when the duplicate service is furnished. A new minimum payment period will apply for the duplicate service.

a. Moves in the Same Building

When a local channel service is moved to a new location in the same building at the customer's request, a move charge applies. A move charge is equal to one-half, except for Digital Data Local Channel Services where whole charges apply, of the installation charge for the local channel service involved, including the access coordination function and any channel options, miscellaneous equipment and arrangements that are associated with the service at that building.

b. Moves to a Different Building

When a local channel service is moved to a different building (or to a different central office) at the customer's request, the move is considered to be the discontinuance of the local channel service at the former location and the installation of a local channel service at the new location. The installation charges for the local channel service apply. Installation charges also apply to the access coordination function and any channel options and miscellaneous equipment or arrangements (with stated installation charges) associated with the service required at the new location. A new minimum payment period will be established for the local channel service. If a move to a new designated Central Office is not made at the customer's request, but is required as a result of CNT's rearrangement of its network, move charges do not apply.

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

BY Chambers L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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ISSUED:  
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SECTION 2  
ORIGINAL PAGE 21

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.6 Types of Charges (Cont'd)

B. Nonrecurring Charges (Cont'd)

3. Termination Charge

A termination charge applies when a customer orders the discontinuance of a private line service before the expiration of a specified period of time. Termination charges apply to specific components as set forth in the appropriate sections of this tariff. The charge has two elements, a dollar amount and a specified period of time. This period, expressed in months, is shown in brackets next to the dollar amount (e.g., \$10,000[120]) in the appropriate sections of this tariff. The termination charge is determined by multiplying the dollar amount by the ratio of the unexpired portion of the specified period of time. A description and example of the process for determining termination charges follows.

- a. Identify the number of months in the specified period as shown in brackets following the dollar amount, e.g., [60] = 60 months.
- b. Identify the number of months that the private line service has been furnished, including fractions of months.
- c. Subtract the number of months the private line service has been furnished from the number of months in the specified period to obtain the unexpired portion of the specified period (a-b).
- d. Divide the unexpired portion of the specified period by the specified period to obtain the charge ratio to be used (c divided by a).
- e. Multiply the dollar amount by the charge ratio to obtain the charge to be made (termination charge amount x d).

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

BY Thomas L. Dorn  
EXECUTIVE DIRECTOR



COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 2  
ORIGINAL PAGE 22

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.6 Types of Charges (Cont'd)

B. Nonrecurring Charges (Cont'd)

3. Termination Charge (Cont'd)

e. (Cont'd)

Example:

Dollar Amount = \$60,000  
Specified Period {} = {60} months  
Time Furnished = 40 months

Step 1: Unexpired Portion of Specified Period =  
Specified Period - Time Furnished

$$60 - 40 = 20$$

Step 2: Charge Ratio =  
$$\frac{\text{Unexpired Portion of Specified Period}}{\text{Specified Period}}$$

$$\frac{20}{60} = 1/3$$

Step 3: Charge To Be Made =  
Dollar Amount X Charge Ratio

$$60,000 \times 1/3 = \$20,000$$

2.5.7 Cancellation, Delay, or Change of an Order

The regulations set forth in this section for the cancellation, delay, or change of an order apply to all private line service components.

Change of a Due Date

When an order for a private line service is placed, a due date will be established and confirmed with the customer. In the event that a due date is changed as set forth in A, B, or C following, the due date for the order will be changed to reflect the number of days of delay or advance, as appropriate.

OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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BY: Gregory Barnum - Vice President

SECTION 2  
ORIGINAL PAGE 23

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.7 Cancellation, Delay or Change of an Order (Cont'd)

A. Delay of a Due Date by the Customer

A customer may delay the due date of an order involving the installation, move or rearrangement of a private line service when: Section 2.5.7.B. is not applicable and the request for the delay is received by CNT prior to the order's due date, and the total delay measured from the order's initial due date does not exceed 30 cumulative calendar days. When the due date is delayed, a due date change charge will apply. Orders involving the discontinuance of a private line service may be delayed at any time prior to the due date. There will be no maximum delay period for these orders.

1. Maximum Delay Period

When the customer has delayed an order for the maximum 30 cumulative calendar day period, the order may not be delayed again by the customer. In such case, unless B. following applies, the customer has the option to (1) accept billing for the private line service ordered, or (2) cancel the order and pay the applicable cancellation charge for the private line service ordered. The billing or cancellation is effective on the 30th cumulative calendar day of the delay.

If the customer elects to accept billing, the installation will be completed as soon as reasonably practical after the customer advises CNT that the installation can be completed.

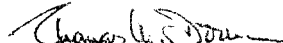
B. Delay of a Due Date by CNT

CNT will make every reasonable effort to assure that the private line service ordered is furnished on the due date. However, in some cases a delay in the installation may be unavoidable. If an order is delayed beyond its due date for more than 30 cumulative calendar days and such delay is not requested or caused by the customer, the customer may cancel the order without cancellation charges applying.

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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BY: Gregory Barnum - Vice President

SECTION 2  
ORIGINAL PAGE 24

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.7 Cancellation, Delay or Change of an Order (Cont'd)

C. Advance of a Due Date

A customer's request for an advancement in the due date of an order will be accepted by CNT when the request can be accommodated without delaying orders of other customers. When the due date is advanced, a due date change charge will apply (see Due Date Change Charge within this tariff.)

D. Cancellation of an Order

A critical date schedule is established by CNT for each private line service order placed by a customer. CNT uses this schedule to identify key activities in the service order process, to monitor the progress of the installation, and to administer the schedule of cancellation charges. Critical date schedules may vary between service orders. The specific critical dates that have been established for a given order can be obtained from the customer's CNT sales negotiator.

The critical dates monitored by CNT are:

Application Date (APP): The date on which the customer provides a firm commitment and sufficient information to CNT to proceed with issuance of a firm order for service.

Scheduled Issue Date (SID): The date on which the service order is entered into CNT's service order distribution system. Design Layout Report Date (DLRD): The date on which the Design Layout Report (DLR) or access interface information is received by CNT from the LEC.

Records Issue Date (RID): The date on which all circuit design and assignment information is sent to the central office installation force.

Wired and Office Tested Date (WOT): The date by which all intraoffice wiring is completed, all plug-ins are optioned and aligned, and frame continuity is established.

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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SECTION 2  
ORIGINAL PAGE 25

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.7 Cancellation, Delay or Change of an Order (Cont'd)

D. Cancellation of an Order (Cont'd)

Critical Dates (Cont'd)

Circuit Test and Acceptance (CTA) Date: The date on which overall testing of the service is completed.

Due Date (DD): The date that has been established for completion of the service installation.

If an order for private line service is canceled by the customer prior to the SID, no charge applies. For cancellations by the customer on or after the those dates, a cancellation charge will apply. The amount of the cancellation charge will vary according to the category of service ordered and the date reached in the critical date schedule. Cancellation charges applicable to the components of each category of private line service are listed in the service specific sections of this tariff.

If the customer or CNT delays the due date of an order, in accordance with 2.5.7.A. or B. preceding, the critical date schedule for the order will be revised for those critical dates not yet passed. Subsequent cancellation of the delayed order by the customer will cause a cancellation charge based on the revised schedule to be incurred.

E. Cancellation Involving Special Construction If a customer cancels an order that involves special construction, the applicable charges for the special construction, described within this tariff, apply in addition to the cancellation charges, herein described.

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

BY Charles L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

ISSUED:  
EFFECTIVE:  
BY: Gregory Barnum - Vice President

SECTION 2  
ORIGINAL PAGE 26

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.7 Cancellation, Delay or Change of an Order (Cont'd)

F. Change of an Order

When a customer changes the office connection or the channel options on an order before the due date, such a change is considered to be a design change. A Design Change Charge applies as specified in this tariff (see Design Change Charge within this tariff). A change in the location of an IOC is considered to be a cancellation of the order. If the change does not involve all portions of a private line service but causes the remainder of the service to be delayed more than 30 days beyond its due date, the customer has the option of (1) accepting billing for the components on the remainder of the service or (2) canceling those components and paying the applicable cancellation charge.

G. Other Changes to an Order

When a customer changes (1) the point of local channel termination on a premises (including changes involving the addition or removal of inside wire), (2) the interface, or (3) the channel options on an order before the service date, such a change is considered to be a design change. A design change charge applies as specified in this tariff (see Design Change Charge, within this tariff). A change in premises is considered to be a cancellation of the order for the local channel service. If the change does not involve all locations on a local channel service but causes the remainder of the locations to be delayed more than 30 days beyond their due date, the customer has the option of (1) accepting billing for the remaining locations or (2) canceling those locations and paying the applicable cancellation charge.

A customer's order for modification of private line service after the service date is considered to be a change in service arrangement, as specified within this tariff.

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SECTION 9 (1)

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SECTION 2  
ORIGINAL PAGE 27

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.8 Change in Service Arrangement

When a customer requests that private line service be changed after the service date, charges are determined in accordance with A. and B. following.

A. When Charges Apply

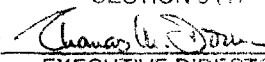
Charges apply for the following changes:

1. A change of an interoffice private line service from one transmission speed or bandwidth to another is considered to be the discontinuance of one interoffice private line service and the installation of a new interoffice private line service. Installation charges apply for the new private line service and a new minimum payment period is established.
2. A change in the office connection or a change in conditioning is considered to be the discontinuance and reinstallation of the interoffice private line service involved. Installation charges for the changed components, as appropriate, apply. A new minimum payment period is not established. Installation charges for components continued in use do not apply. A component is considered to be continued in use if (1) there is no break in billing for the recurring charge(s) for the component(s), (2) the component is not changed.
3. For all other changes to an interoffice private line service, excluding those changes identified in B. following, the installation charge for the component involved applies.

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SECTION 9 (1)

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SECTION 2  
ORIGINAL PAGE 28

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.8 Change in Service Arrangement (Cont'd)

A. When Charges Apply (Cont'd)

4. When a change involves any of the activities identified in (a) through (e) following, it is considered to be the discontinuance of one local channel service and the installation of another. Installation charges will apply for all components involved (including the access coordination function) and a new minimum payment period is established:
  - a. A change from one category of local channel service to another.
  - b. A change within a category of service from one transmission speed, transmission mode, bandwidth, or technical specifications package to another.
  - c. A change from a two-wire termination to a four-wire termination or vice versa.
  - d. A change from two-point to multipoint local channel service or vice versa.
  - e. A change from one access vendor to another access vendor when CNT provides only the Access Coordination Function.
5. When a change involves moving the physical location of a local channel service (including changes caused by a customer specifying a particular designated CNT central office as set forth within this tariff), move charges apply as specified within this tariff.
6. When a change involves the addition of a point to an existing multipoint local channel service, installation charges apply for the components which are added to the service (including the access coordination function).
7. When a change involves the addition of a local channel option, miscellaneous function, or miscellaneous equipment item which has a stated installation charge, that charge will apply. In addition, a charge equal to the installation charge for an access coordination function involved will apply.

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 2  
ORIGINAL PAGE 29

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.8 Change in Service Arrangement (Cont'd)

B. When Charges do not Apply

Charges do not apply for the following changes:

1. When the customer for the private line service changes due to corporate purchase, merger, reorganization, or transfer of assignment of the private line service and no physical change in the service (e.g. change in the interface, change in signaling, etc.) is requested by the new customer.
2. When the jurisdiction of private line service changes and no physical change is requested by the customer, except where LEC access termination charges apply.
3. When a private line service is discontinued, unless a termination charge applies as set forth within this tariff.

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SECTION 2  
ORIGINAL PAGE 30

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.8 Change in Service Arrangement (Cont'd)

B. When Charges do not Apply (Cont'd)

4. When the change involves CNT records only (e.g., change in billing address).

5. Changes which are not made for customer reasons, but are required as a result of CNT's rearrangement of its network (e.g., changes resulting from the termination of a Shared Network Facilities Arrangement contract).

2.5.9 Fractional Charges and Credits

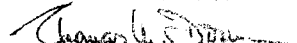
A. Computing Charges or Credits for a Fractional Part of a Month

When rates are stated on a monthly basis, each month is considered to have 30 days for billing purposes. Charges or credits for a fractional part of a month are calculated by counting the number of days remaining in the billing period after the private line service is furnished or has been discontinued. The number of days remaining in the billing period (including the 31st day of a 31-day month, if applicable) are counted starting with the day after the date on which the private line service was furnished or discontinued. Divide that figure by 30 days. The resultant fraction is then multiplied by the monthly charge to arrive at the fractional monthly charge or credit.

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SECTION 2  
ORIGINAL PAGE 31

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.9 Fractional Charges and Credits (Cont'd)

A. Computing Charges or Credits for a Fractional Part of a Month (Cont'd)

Example: Private line service furnished/discontinued on the 15<sup>th</sup> day of a 30-day month.

Monthly Charge = \$1,000

Number of Days  
Remaining in  
Billing Period = 15 days

Billing Month = 30 days

Fractional Monthly Charge/Credit =  $\frac{\text{No. of Days Remaining}}{\text{Billing Month}} \times \text{Monthly Charge}$   
=  $\frac{15}{30} \times \$1,000$

Fractional Monthly Charge/Credit =  $\frac{15}{30} \times \$1,000$

Fractional Monthly Charge/Credit = \$500

In the above example, the number of days remaining in the billing period would be 13 for a 28-day month and 16 for a 31-day month. The same process would be used for computing the fractional monthly charge or credit.

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 2  
ORIGINAL PAGE 32

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.9 Fractional Charges and Credits (Cont'd)

B. Computing Fractional Charges or Credits for a Rate Change

When a monthly rate is changed (increased or decreased) as a result of a tariff revision, the additional charge or credit is calculated as follows.

1. Monthly Rates - For any fractional part of a month, count the number of days remaining in the billing period (including the 31<sup>st</sup> day of a 31-day month) starting with the effective date of the rate change. Divide that figure by 30 days (billing month). The resultant fraction is then multiplied by the amount of the monthly rate change to arrive at the fractional charge or credit for the rate change.

Example: Rate change effective on the 12th day of the 28-day month.

Old Monthly Charge = \$1,000

Number of Days Remaining  
in Billing Period = 17 days

Billing Month = 30 days

Fractional Part of Month  
Billed at the new rate =  $\frac{17}{30}$

Rate Change = \$60 monthly increase

Fractional Charges or Credit  
for the Rate Change =  $\frac{17}{30} \times \$60 = \$34$

Billing for the Month in  
which the Rate Change  
Occurred (for a rate decrease  
subtract the fractional  
charges) = \$1,000 + \$34 = \$1,034

Subsequent New Monthly Charges = \$1,000 + \$60 = \$1,060

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 2  
ORIGINAL PAGE 33

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.9 Fractional Charges and Credits (Cont'd)

B. Computing Fractional Charges or Credits for a Rate Change (Cont'd)

In the above example, the number of days remaining in the billing period would be 19 for a 30-day month and 20 for a 31-day month. The same process would be used for computing the fractional monthly charge or credit.

C. Rounding to the Nearest Cent

If the computed charge(s) or credit include one-half cent or more, the fractional is rounded up to the next higher cent. Fractions of less than one-half cent are disregarded.

2.5.10 Special Taxes, Fees, Charges

Any assessments, franchise fees, privilege, license, occupation, excise, or other similar taxes or fees, whether in a lump sum or at a flat rate, or based on receipts, or based on poles, wire or other utility property units, imposed upon CNT by any governmental authority subsequent to the effective date of this tariff shall be added pro rata, insofar as practical, to the rates and charges stated in the standard schedules, in amounts which in the aggregate for the customers of any political entity shall be equal to the amount of any such tax upon CNT. CNT shall, so long as any such tax or fee is in effect, add to the bills of the customers in such political entity a pro-rate on the basis of the revenue derived by the company from each such customer, an amount sufficient to recover any such tax or fee.

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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SECTION 2  
ORIGINAL PAGE 34

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.11 Special Access Surcharge

- A. A Special Access Surcharge applies to each termination of a channel service at a PBX or equivalent device capable of interconnecting the channel with the local exchange network. The surcharge applies to each two-point local channel, to each multipoint termination at a customer's location, and applies to analog and digital high capacity service on a per voice grade equivalent basis.

CNT will bill the customer for the surcharge on each channel service termination unless the customer certifies that the channel service termination is exempt from the surcharge. This charge will be billed automatically on each special access service installed irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex-CO type switch. The surcharge rate is specified in the applicable rate sections of this tariff.

B. Exemptions from the Surcharge

1. A customer's channel service termination will be exempted from the monthly surcharge if the customer certifies to CNT that:
  - a. The channel service is terminated in a device which is not capable of interconnecting the service with the local exchange network, or
  - b. The channel service termination is associated with Switched Access Service that is subject to Carrier Common Line charges.
2. Certification must be provided by the customer when the channel service is ordered or changed. If a certification is not received from the customer with the order or change of service, the surcharge will be applied.
3. If the customer's service termination cannot be exempted as certified, the company reserves the right to bill and/or back bill the customer as necessary, including any penalty charges that may accrue to the Company.


C. Crediting the Surcharge

Upon receipt by CNT of certification that the customer's channel service termination is exempt from the surcharge, as specified in B. preceding, CNT will not bill the customer at the location certified as exempt.

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SECTION 9 (1)

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SECTION 2  
ORIGINAL PAGE 35

2. GENERAL REGULATIONS

2.5 Payments and Charges (Cont'd)

2.5.12 Late Payment Charge

Subject to billing and systems availability, when a bill or estimated bill for private line services charges is presented to the Customer, any amounts for which payment has not been received within 30 calendar days of the invoice date will be considered delinquent. The Customer shall be assessed a Late Payment Charge on any delinquent account balance, when that balance exceeds \$25.00. The minimum late Payment Charge is \$5.00. The period subject to the Late Payment Charge shall commence on the 31st calendar day after the invoice date, and continue from month to month until the delinquent balance is resolved. The Late Payment Charge shall be assessed monthly, based on the delinquent balance maintained on the account at that time. The Late Payment Charge shall be an amount equal to the outstanding delinquent balance multiplied by the applicable interest rate. The interest rate shall be 18% annually, simple interest (1.5% per month, simple interest) unless an applicable law or regulation specifies a lower rate to be charged, and that lower rate shall then apply. The Customer shall not be charged a Late Payment Charge on a delinquent balance, however, if an applicable law or regulation prohibits the imposition of such charges.

In the event a Customer disputes, in good faith, the validity of any private line services charges appearing on its invoice, as specified in this tariff, the amount of these disputed charges will be excluded from the total delinquent balance while the dispute is pending. If the Company sustains the charges after investigating the dispute, the applicable Late Payment Charges shall be deemed correct and binding on the Customer. If, alternately, the Company credits the charges after investigating the dispute, the Late Payment Charges will not apply.

When a local exchange company provides the billing function on behalf of the Company, the local exchange company's local exchange service late payment charge applies. Late payment charges do not apply until after the due date of the bill on which the usage charges first appear.

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SECTION 9 (1)

BY Charles L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 2  
ORIGINAL PAGE 36

2. GENERAL REGULATIONS

2.6 Credit Allowances for Interruptions

2.6.1 General

A credit allowance will be given when a private line service is interrupted, except as specified within this tariff. An interruption period begins when the customer reports a private line service to be interrupted and releases it for testing and repair. An interruption period ends when the private line service is operative. Only the interrupted portion of the private line service will receive a credit. If the customer reports a private line service to be inoperative but declines to release it for testing and repair, it is considered to be impaired, but not interrupted.

In addition, there are specific credit allowance regulations that only apply to a particular private line service. Those regulations are specified in the section of the tariff that is applicable to the specific private line service.

2.6.2 When Credit Allowance does not Apply

Credit allowance does not apply for:

- A. Interruptions caused by the negligence of the customer or others authorized by the customer to use the customer's service,
- B. Interruptions due to the failure of power, equipment, systems, or connections not provided by CNT,
- C. Interruptions during any period when the customer or user has released a private line service for maintenance or rearrangement purposes, or for the implementation of a customer order,

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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SECTION 2  
ORIGINAL PAGE 37

2. GENERAL REGULATIONS

2.6 Credit Allowances for Interruptions (Cont'd)

2.6.2 When Credit Allowance does not Apply (Cont'd)

- D. Interruptions which continue because of the customer's failure to authorize replacement of any element of special construction. The period for which credit is not allowed, begins on the seventh day after the customer receives CNT's written notification of the need for such replacement. It ends on the day after receipt of the customer's written authorization for such replacement,
- E. interruptions during periods when the customer elects not to release the private line service for testing and/or repair,
- F. Interruptions caused by the failure of access service, or
- G. An interruption or group of interruptions, resulting from a common cause, for amounts totaling less than one dollar.
- H. Interruptions during any period in which CNT or its agents are not afforded access to the customer's premises.

2.6.3 Use of Another Means of Communication

If the customer elects to use another means of communication during the period of interruption, the customer must pay the charges for the alternative service used.

2.6.4 Temporary Surrender of a Private Line Service

In certain instances, the customer may be asked to surrender a private line service for purposes other than maintenance, testing, repair, or activity relating to a service order. If the customer consents, a credit will be given. One day's credit will be given for each 24-hour period or fraction thereof that the service is surrendered.

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SECTION 9 (1)

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EXECUTIVE DIRECTOR



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SECTION 2  
ORIGINAL PAGE 38

2. GENERAL REGULATIONS

2.6 Credit Allowances for Interruptions (Cont'd)

2.6.5 Calculation of Credit Allowances

The credit allowances for all private line services are set forth in this section.

For calculating credit allowances for monthly services, every month is considered to have 30 days.

A credit allowance will be given for all private line services that are interrupted for 30 minutes or more. The credit allowance is determined in the following manner:


A. Interoffice Channels:

1. Calculate the average point value for one month by adding the total monthly charges for the private line service. That sum is then divided by the total number of central offices affected.
2. Calculate the average point value for one full day by dividing the average point value for one month by 30 days: (A.1.) divided by 30.
3. Multiply the average point value for one day by the interruption period to be credited (see Calculation Table within this tariff.) in order to determine the credit for one point: (A.2.) x interruption period.
4. Multiply the credit for one point by the number of central offices affected to determine the credit allowance for the service: (A.3.) x number of central offices affected.

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OCT 26 2003

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SECTION 9 (1)

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SECTION 2  
ORIGINAL PAGE 39

2. GENERAL REGULATIONS

2.6 Credit Allowances for Interruptions (Cont'd)

2.6.5 Calculation of Credit Allowances (Cont'd)

A. Interoffice Channels (Cont'd)

4. (Cont'd)

Example 1: A two-point Private Line Service with two affected central offices.  
Length of interruption = three hours.

Total Monthly Charge = \$1,200

Average Point Value =  $\frac{\$1,200}{2} = \$600$

Average Point Value for one full day =  $\frac{\$600}{30} = \$20$

Amount Credited for one point =  $\$20 \times 1/5 = \$4$

Total credit for the number of central offices affected =  $\$4.00 \times 2 = \$8$

Example 2: A multipoint Private Line Service with six affected central offices.  
Length of interruption = three hours. Service to only three central offices is affected (i.e., service to the remaining three central offices continued in use).

Total Monthly Charge = \$4,800

Average Point Value =  $\frac{\$4,800}{6} = \$800$

Average Point Value for one full day =  $\frac{\$800}{30} = \$26.67$

Amount Credited for one point =  $\$26.67 \times 1/5 = \$5.33$

Total credit for the number of central offices affected =  $\$5.33 \times 3 = \$15.99$

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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STATE OF KENTUCKY  
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SECTION 2  
ORIGINAL PAGE 40

2. GENERAL REGULATIONS

2.6 Credit Allowances for Interruptions (Cont'd)

2.6.5 Calculation of Credit Allowances (Cont'd)

B. Local Channels:

1. Calculate the average channel value for one month by adding the total monthly charges for the local channel service. That sum is then divided by the total number of local channels or bridged channels on the local channel service.
2. Calculate the average channel value for one full day by dividing the average channel value for one month by 30 days: (B.1.) divided by 30.
3. Multiply the average channel value for one day by the interruption period to be credited (see Calculation Table following) in order to determine the credit for one channel: (B.2.) x interruption period.
4. Multiply the credit for one channel by the number of channels affected to determine the credit allowance for the local channel service: (B.3.) x number of channels affected.

Example 1: A Voice Grade Local Channel Service comprised of four bridged channels, all channels affected. Length of interruption = 3 hours.

Total Monthly Charge	= \$1,200
Average channel value	= $\frac{\$1,200}{4}$ = \$300
Average channel value for one full day	= $\frac{\$300}{30}$ = \$10
Amount credited for one channel	= \$10 x 1/5 = \$2
Total credit for the number of channels affected	= \$2 x 4 = \$8

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

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SECTION 2  
ORIGINAL PAGE 41

2. GENERAL REGULATIONS

2.6 Credit Allowances for Interruptions (Cont'd)

2.6.5 Calculation of Credit Allowances (Cont'd)

C. Calculation Table

The following table is used for calculating credit allowances for interruptions.

<u>Length of Interruption</u>	<u>Interruption Period to be Credited</u>
1 hour 59 minutes or less	None
2 hours and less than 8 hours	0.2% of monthly recurring revenue
Each hour above 8 hours	0.5% of the monthly recurring revenue of the Circuit, capped at 50% of the monthly recurring revenue for any single Service Outage and 100% of the monthly recurring revenue for all Service Outages to that same Circuit in any month

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OCT 26 2003

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

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CORPORATION  
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SECTION 2  
ORIGINAL PAGE 42

2. GENERAL REGULATIONS\

2.7 Connections

2.7.1 General

When access is connected to a CNT service, the connection will be made at the designated CNT central office if the CNT service and the access are electrically compatible. The regulations in this section and in the section(s) and tariff(s) applicable to a specific CNT service will apply to the connection. Coordinating agreements are necessary between CNT and access providers to establish arrangements for common functions at central offices, such as space, power, and light. In addition, technical agreements, similar to those in place with local exchange companies, are required between CNT and access providers to establish the specific arrangements by which the access will be connected to CNT's services. Connections to access will be made using office connections as described within this tariff. The responsibilities of CNT and the customer are specified following.

A. Responsibilities of CNT

CNT is not responsible to any party if a change in its minimum protection criteria, operations, or procedures (1) affects any access in any way, or (2) requires modification of access in order to be used. However, if such changes can be reasonably expected to materially affect the operating, switching, or transmission characteristics of the CNT service, or render the access incompatible, CNT will provide adequate notice in writing to allow the customer the opportunity to maintain uninterrupted service.

Unless CNT is responsible for end-to-end service as defined within this tariff, CNT is not responsible for changing its channels or components to maintain compatibility with access. However, if such changes are requested, CNT will, upon receipt of a customer order, endeavor to make the changes without interrupting service.

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OF KENTUCKY  
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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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PRIVATE LINE SERVICES TARIFF

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SECTION 2  
ORIGINAL PAGE 43

2. GENERAL REGULATIONS

2.7 Connections (Cont'd)

2.7.1 General (Cont'd)

A. Responsibilities of CNT (Cont'd)

The testing of an CNT service will be made from a designated CNT central office.

In certain situations, assistance is available in matters pertaining to testing of assemblies. The services offered are set forth in this tariff (see Additional Administrative and Operational Functions, within this tariff).

B. Responsibilities of the Customer

When access is connected at a designated CNT central office the customer assumes responsibility for the connection as follows:

1. Ordering

Unless CNT is responsible for end-to-end service as described within this tariff, the customer must make all arrangements concerning the access with its provider and must make arrangements with CNT for the connection.

2. Compatibility with the CNT Service

Unless CNT is responsible for end-to-end service as defined within this tariff, the customer is responsible for ensuring compatibility between the access and the CNT service. This customer responsibility applies at the initial installation and on a continuing basis as long as the connection is made.

When a connection of access is made at an designated CNT central office and CNT is not responsible for end-to-end service as defined within this tariff, CNT does not warrant that any portion of the assembly will operate properly or that transmission will be satisfactory. If, however, a trouble condition is reported, CNT will assure that the channels and components CNT provides are operating properly with satisfactory transmission.

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SECTION 9 (1)

BY Charles L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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SECTION 2  
ORIGINAL PAGE 44

2. GENERAL REGULATIONS

2.7 Connections (Cont'd)

2.7.1 General (Cont'd)

B. Responsibilities of the Customer (Cont'd)

3. Interface Information

The customer must specify the type of interface that is required.

4. Testing and Maintenance

If a trouble condition occurs on an assembly, the customer is responsible for determining if the trouble is in the connected access. CNT will only test and maintain its service.

2.7.2 Interference and Hazard

The operating characteristics of the access connected to an CNT service must not interfere with, or impair, any services provided by CNT to others. In addition, they must not endanger the safety of CNT employees or the public; damage or interfere with the functioning of CNT equipment, channels or services; or otherwise injure the public in its use of these offerings.

2.7.3 Minimum Protection Criteria

Access must comply with the Minimum Protection Criteria as specified in this tariff for the service to which the access is connected.

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SECTION 2  
ORIGINAL PAGE 45

2. GENERAL REGULATIONS

2.8 Violation of Regulations

2.8.1 General

CNT may take immediate action to protect its private line services or interests when certain regulations contained in this tariff are violated. The specific regulations involved and the action that will be taken by CNT are as specified within this tariff.

2.8.2 Interference, Impairment, or Improper Use

CNT will take immediate action to temporarily suspend the private line service when a customer violation of Section 2.7.2 preceding:

Subjects CNT or non-CNT personnel to hazardous conditions,

Circumvents CNT's ability to charge for its services, or

Results in immediate harm to the private line service or other CNT service.

In such cases, CNT will make reasonable efforts to give the customer prior notice before temporarily suspending service.

If a customer fails to comply with Section 2.7.2 preceding, CNT may, on ten (10) days' written notice by certified U.S. mail to the customer, deny requests for additional private line services and/or temporarily suspend the private line service to the non complying customer. If CNT does not deny or temporarily suspend the private line service(s) involved on the date of the expiration of the ten (10) days advance notice, and the customer noncompliance continues, nothing contained herein shall preclude CNT's right to deny or temporarily suspend the private line service without further notice.

When a violation results in the temporary suspension or denial of the private line service, these restrictions will be removed when the customer is in compliance with the regulation and so advises CNT, and said compliance is verified by CNT.

2.8.3 Nonpayment of Charges

CNT may disconnect a private line service or deny requests for additional private line services for nonpayment of any charges due as specified in within this tariff (Payment of Charges) preceding. A written notice will be sent to the customer at least ten (10) days in advance of the disconnect or denial of additional private line services. Upon payment of charges, the denial of additional service will be removed.

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SECTION 2  
ORIGINAL PAGE 47

2. GENERAL REGULATIONS

2.9 Definitions (Cont'd)

Channel Service Unit Functionality - Equipment which performs the functions of: (1) properly terminating an T1.5 Channel Service or a Digital Data Local Channel Service, (2) regeneration of signals and (3) recognition of signal format errors.

Component - An element furnished under this tariff. Components are local and interoffice channels, bridged, and interbridge channels, access coordination functions, channel options, miscellaneous functions, central office connections, and miscellaneous equipment items.

Customer - The person or legal entity that orders a private line service (either directly or through an agent).

Customer Equipment - Terminal equipment, a multiline terminating system or protective circuitry located at non-CNT premises. Customer's Premises - The premises of a customer or user. It also includes customer-designated non-CNT premises.

Customer Premises - the premises of a customer or user. It also includes customer-designated non-CNT premises

Customer-Provided Communications System - Non-CNT-provided dedicated private line channels and equipment (e.g., microwave or cable system).

Design Loss - The amount of power loss expected to occur when a 1004 Hz tone is transmitted from one end of a local channel to the other end.

Direct Electrical Connection - A physical connection (i.e., not through a switch) of the electrical conductors in a communications path.

DS1 Channel - An T1.5 Service, 1.544 Mbps. Local Channel, or other access.

Due Date - The date that has been established for completion of the installation, change, or disconnect of a private line service component.

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BY Thomas H. Dore  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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BY: Gregory Barnum - Vice President

SECTION 2  
ORIGINAL PAGE 48

2. GENERAL REGULATIONS

2.9 Definitions (Cont'd)

Foreign Exchange Service - A service that enables a customer to obtain dial tone and related features in a LEC central office outside the LATA of the LEC central office which normally services the customer's location.

Independent Company - A local exchange company (LEC) that is not a former Bell Operating Company.

Interbridge Channel - A Voice Grade Local Channel Service component which provides a communications path between two Local Exchange Company bridges located in the same LATA.

Interface - The electrical and physical means by which a connection is made at a designated CNT central office.

Interoffice Channel - A private line service component which connects a designated CNT central office to another designated CNT central office.

Interoffice Private Line Service - The interoffice channel(s) and office connection(s), office functions, and channel option(s) furnished under this tariff to a customer.

Interstate Communications - A term that describes communications between and among individual states. It includes both interstate and foreign communications.

Intrastate Communications - A term which describes communications which take place within a state's boundaries and which are not terminated in a switch permitting interstate communications.

Local Access and Transport Area (LATA) - A geographic area established for the provision and administration of communications service. It encompasses one or more designated exchanges which are grouped to serve common social, economic, and other purposes. Local Channel - A private line channel that connects a designated CNT central office to a customer premises or a customer premises to a customer premises.


Local Channel - a private line channel that connects an designated CNT central office to a customer's premises.

Local Exchange Company (LEC)- A company which furnishes exchange telephone service.

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PURSUANT TO 897 KAR 5.011  
SECTION 9 (1)

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SECTION 2  
ORIGINAL PAGE 49

2. GENERAL REGULATIONS

2.9 Definitions (Cont'd)

**Multifrequency Pulsing** - An inband interoffice address signaling method in which ten decimal digits and five auxiliary signals are each represented by selecting two frequencies out of a group consisting of: 700, 900, 1100, 1300, 1500, and 1700 Hz.

**Multipoint** - A private line service directly connecting three or more designated CNT central offices.

**Multipoint Local Channel Service** - A service which connects three or more points on a direct electrical basis.

**Network Interface** - The point of demarcation on the end user's premises at which the access supplier's responsibility for the provision of access ends.

**Office Connection** - Office connections provide the physical connection, at a designated CNT central office to perform channel derivation, switching, conversion or transfer functions.

**Office Function** - A private line service component located and furnished at a designated CNT central office to perform channel derivation, switching, conversion, or transfer functions.

**Point of Interface** - The point of demarcation between CNT and an access supplier. This point, located at a designated CNT Central Office, establishes the technical interface, the test point, and the point of division of operational responsibility.

**Premises** - A building or buildings on continuous property (except railroad right-of-way, etc.) not separated by a public throughfare.

**Pricing Central Office** - The designated CNT central office for a particular category of local channel service which is nearest to the customer's premises (measured between the serving wire centers of the customer's premises and the designated CNT Central Office).

**Private Line Service** - (1) the interoffice channel(s) and office connection(s), station connections and channel option(s) furnished under this tariff to a customers as a unit uninterrupted by office functions, or (2) and office function.

**Registered** - A term which means compliance with and approval within the Registration Program.

**Registration Program** - Part 68 of the FCC's Rules and Regulations which permits customer Equipment to be directly connected to WATS, LDMTS and certain local channel services without the requirement for protective circuitry.

**Ringling** - An alternating or pulsating current intended to produce an audible or visible alerting signal.

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SECTION 9 (1)

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SECTION 2  
ORIGINAL PAGE 50

2. GENERAL REGULATIONS

2.9 Definitions (Cont'd)

**Service Date** - The date that billing starts for a private line service or component.

**Service Period** - The period of time during which CNT furnishes a private line service. It encompasses the consecutive period from the start of service to the end of service ordered by the customer.

**Serving Wire Center** - The wire center from which the customer's premises or designated CNT central office would normally obtain dial tone from the Local Exchange Company.

**Standard Jack** - The means of connecting customer equipment to a local channel service as specified in the Registration Program.

**Technical Specifications Package** - A combination of the various technical specifications associated with a Voice Grade Local Channel Service. Each package is designed to satisfy specific customer applications (e.g., voice, data, telephoto, etc.).

**Terminal Equipment** - Any telecommunications equipment other than a multiline terminating system or customer-provided communications system installed on the customer's side of the interface at a customer's premises.

**Termination** - A customer premises or a designated CNT Central Office.

**Two-Point Local Channel Service** - A service which consists of a single local channel.

**User** - A person or legal entity authorized by a customer to communicate over, or be connected to, the customer's private line service.


**Wire Center** - A building in which one or more central offices, used for provision of local exchange service, are located.

**Wire Center Area** - The territory served by a serving wire center.

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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

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SECTION 3  
ORIGINAL PAGE 1

3. GENERAL DESCRIPTION

3.1 General

This section provides a general overview of the private line services available in this tariff. It includes a description of the two major classifications of private line services and the categories and components of service available under each classification. More detailed descriptions and specific rate information are located within the section of this tariff that applies to a given category of service.

3.2 Private Line Service Classification

There are two major classifications of private line service, (1) interoffice private line service, and (2) private line local channel service.

3.2.1 Interoffice Private Line Service

An interoffice private line service connects two or more designated CNT central offices.

3.2.2 Private Line Local Channel Service

A private line local channel service connects customer premises to customer premises or to a designated CNT central office.

3.3 Interoffice Private Line Service Categories

There are several categories of interoffice private line service. Each service category has its own technical characteristics and specifications, and most are further subdivided into speeds or types of transmission. Following is a brief description of each service category. Each category of service is available only within and/or between specified CNT central offices.

3.3.1 T1.5 Services

Provides service for the transmission of large volumes of communications at 1.544 mbps.

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SECTION 9 (1)

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SECTION 3  
ORIGINAL PAGE 2

3. GENERAL DESCRIPTION

3.3 Interoffice Private Line Service Categories (Cont'd)

3.3.2 T45 Services

Provides service for the transmission of 44.736 Mbps digital signals.

3.4 Private Line Local Channel Service Categories

There are several categories of local channel services. Each category has its own technical characteristics and specifications, and most are further subdivided into speeds or types of transmission. Following is a brief description of each local channel service category.

3.4.1 1.544 Mbps Local Channel Services

Provides services for the transmission of large volumes of communications at 1.544 Mbps.

3.4.2 Voice Grade Local Channel Services

Provides services for the transmission of analog signals within an approximate bandwidth of 300 to 3000 Hz.

3.4.3 T45 Local Channel Services

Provides services for the transmission of large volumes of communications at 44.736 Mbps.

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OCT 26 2003

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SECTION 9 (1)

BY Charles H. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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SECTION 3  
ORIGINAL PAGE 3

3. GENERAL DESCRIPTION

3.5 Interoffice Private Line Service Components

An interoffice private line service is comprised of components which include interoffice channels, office connections, channel options, and office functions.

3.5.1 Interoffice Channel (IOC)

An IOC is a channel between two designated CNT central offices.

3.5.2 Office Connections

An office connection provides the physical interconnection at a designated CNT central office between an interoffice channel, an office function, a local channel obtained from the Private Line Local Channel sections of this Tariff, or other access. When other access is connected to an CNT service and the customer wishes CNT to perform the functions of access design, ordering, installation, coordination, preservice testing and service turn-up, trouble sectionalization, and restoration coordination, the Access Coordination Function furnished under the Private Line Local Channel sections of this Tariff provides those functions. When the Access Coordination Function is ordered, CNT will design the service based upon standard engineering considerations. When other access is connected to an CNT service and the customer wishes CNT to perform only the function of physical connection of the access to a service component at an CNT central office, an office connection only is employed. In such cases, CNT makes or implies no warranty that the assembly will operate properly or that transmission will be satisfactory. An office connection is also employed to connect service components within a designated CNT central office, for example:

an IOC to: a local channel or other access, or an office function

a local channel to: another local channel or other access, or an office function

an office function to: another office function other access to: an office function

Office connections apply for each two components interconnected at a designated CNT central office.


3.5.3 Channel Options

Channel options are features which can be added to an Interoffice Channel to change or to augment its transmission characteristics. Typical channel options are signaling and data conditioning.

3.5.4 Office Functions

Office functions are optional functions performed at CNT central offices which enable customers to increase the efficiency or usefulness of their service. They include switching arrangements, transfer arrangements, and alternate use arrangements. Office functions are connected with channels or other office functions by office connections.

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EXECUTIVE DIRECTOR

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SECTION 3  
ORIGINAL PAGE 4

3. GENERAL DESCRIPTION

3.6 Local Channel Service Components

A private line local channel service is comprised of components which include local channels, bridged channels, interbridge channels, access coordination functions, channel options, miscellaneous functions, and miscellaneous equipment items.

3.6.1 Local Channel

A local channel is a channel between customer premises, or between customer premises and a designated CNT central office.

3.6.2 Bridged Channel

A bridged channel is a channel between (1) a designated CNT central office and a Local Exchange Company bridge or (2) a customer's premises and a Local Exchange Company bridge. Bridged channels are available on Voice Grade Local Channel Services.

3.6.3 Interbridge Channel

An interbridge channel is a channel between two Local Exchange Company bridges located in different wire centers. Interbridge channels are available on Voice Grade Local Channel Services only.

3.6.4 Access Coordination Function

The access coordination function provides for the design, ordering, installation coordination, preservice testing and service turn-up, trouble sectionalization, and restoration coordination on a channel provided by CNT under this tariff or an equivalent channel provided by the customer. In addition the access coordination function is available on Feature Group A and B Switched Access service channels.

3.6.5 Channel Options

Channel options are features which can be added to a local channel to change or to augment its transmission characteristics. Typical channel options are signaling and data conditioning.

3.6.6 Miscellaneous Functions

Miscellaneous functions are optional functions performed at designated CNT central offices which enable a customer to increase the efficiency or usefulness of a service. The only miscellaneous function currently available is bridging for Digital Data Local Channel Service.

3.6.7 Miscellaneous Equipment Items

Miscellaneous equipment items are optional items and arrangements which may be ordered on a local channel service (see Miscellaneous Functions and Arrangements, within this tariff).

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

BY Charles L. Brown  
EXECUTIVE DIRECTOR



COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 4  
ORIGINAL PAGE 1

4. INTEROFFICE CHANNEL MILEAGE MEASUREMENT

4.1 General

The rate mileage for an Interoffice Channel is the airline distance measured between two CNT central offices. To determine the rate mileage for the Interoffice Channel, first determine the appropriate designated CNT central offices as follows.

4.1.1 Determining CNT Central Offices

The appropriate designated CNT central office used to price a private line service is determined by (1) the LATA(s) in which the private line service is desired, (2) the category of private line service to be provided, and (3) the designated CNT central offices when certain office functions are involved.

- A. Determining the CNT Central Offices Within a LATA - If the customer does not specify an CNT central office, CNT will determine the CNT central office(s) for a LATA, using the telephone number of a customer's premises and the type of service to be provided as follows:

Example: Telephone No. 508-282-XXXX, T1.5 Service

1. Refer to the National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4, look up 502-582, and find its wire center listing and LATA number.

Wire center information is listed in the NECA tariff by state, by locality. The appropriate wire center within a locality (i.e., the serving wire center) and the LATA number for that wire center are determined by looking up the area code and the first three digits (e.g., 502-582) of the telephone number which normally serves the customer's premises.

Example: The wire center for 502-582 is Louisville. The LATA number is 462.

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

BY Charles L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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BY: Gregory Barnum - Vice President

SECTION 4  
ORIGINAL PAGE 2

4. INTEROFFICE CHANNEL MILEAGE MEASUREMENT

- 4.1 General (Cont'd)
- 4.1.1 Determining CNT Central Offices (Cont'd)
  - A. (Cont'd)
- 2. The CNT central office used to determine the mileage for an IOC will be the one which is nearest to the customer's premises. If two CNT central offices are measured equidistant from the customer's premises using rounded mileage, the central office to be used is the one which is the nearest using unrounded mileage. If there is only one central office in a LATA for a category of private line service, no choice is necessary.
- 3. Once all of the appropriate central offices have been determined, calculate the airline distance between the central offices (see Calculation of Airline Mileage, within this tariff). The result will be the IOC rate mileage(s).

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BY Charles L. Barnum  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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SECTION 4  
ORIGINAL PAGE 3

4. INTEROFFICE CHANNEL MILEAGE MEASUREMENT

4.1 General (Cont'd)

4.1.2 Calculation of Airline Mileage

Airline mileage between V&H coordinates is calculated as set forth below. Following is an example of how mileage is calculated.

- A. After determining the V&H coordinates of the designated CNT central offices for a private line service as described within this tariff preceding, calculate the mileage between the V&H coordinates as follows:

1. Example:

Louisville	(V) 6528	(H) 2773
Owensboro	(V) 6731	(H) 2927

2. Obtain the difference between the V coordinates. Then obtain the difference between the H coordinates. (The difference is always obtained by subtracting the smaller coordinate from the larger.)

	V	H
	6731	2928
	<u>-6528</u>	<u>-2773</u>
Difference	203	155

3. Square each difference.

203	X	203	=	41,209
155	X	155	=	24,025

4. Add the squares of the two differences.

41,209 + 24,025 = 65,234

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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

BY Thomas H. Dore  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

ISSUED:  
EFFECTIVE:  
BY: Gregory Barnum - Vice President

SECTION 4  
ORIGINAL PAGE 4

4. INTEROFFICE CHANNEL MILEAGE MEASUREMENT

4.1 General (Cont'd)

4.1.2 Calculation of Airline Mileage (Cont'd)

A. (Cont'd)

5. Divide the sum of the squares by 10. (Round any fraction obtained to the next higher whole number.)

$$65,234/10 = 6,523.4 \text{ Rounded} = 6,524$$

6. Take the square root of the result obtained in 5. The result is the airline miles of the IOC. (Any fractional miles are rounded to the next higher whole number.)

Square root of 6,524 = 80.76  
IOC airline mileage (Rounded) = 81 miles

4.2 Two-Point Mileage Measurement

The rate mileage for the IOC on a two-point private line service is the airline distance measured between two designated CNT central offices.

4.3 Multipoint Mileage Measurement

The rate mileage for the IOC(s) on a private line service with three or more designated CNT central offices is the combination of the individual airline mileages measured between each pair of designated CNT central offices which produces the lowest total mileage charge when all of the designated CNT central offices are connected together.

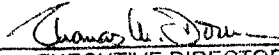
As an example, for a three-point private line service involving Owensboro, Winchester, and Louisville, the combination of mileages for Owensboro to Louisville and Louisville to Winchester produces the lowest total mileage charge. Therefore, the private line service would be priced in that manner. The charges for the airline mileages between each pair of designated CNT central offices are calculated separately and then summed. The actual routing of the private line service may vary from the priced configuration.

Exceptions to this method of measurement may apply in those cases when the customer specifies the sequence in which the IOCs are connected (see Exceptions to Interoffice Channel Mileage Measurements, within this tariff).

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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EXECUTIVE DIRECTOR

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STATE OF KENTUCKY  
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SECTION 4  
ORIGINAL PAGE 5

4. INTEROFFICE CHANNEL MILEAGE MEASUREMENT

4.4 Exceptions to Interoffice Channel Mileage Measurements

In certain cases there are exceptions to the way IOC mileage measurements are determined. This section describes those exceptions.

4.4.1 Customer Specifies the IOC Routing of a Multipoint Service

This exception applies to multipoint services where the designated CNT central offices or customer terminations are connected together in the sequence specified by the customer.

The total rate mileage is the combination of individual twopoint airline distances measured between the designated CNT central offices based on the sequence requested by the customer.

If, for example, a customer specified that a three-point private line service involving Owensboro, Winchester, and Louisville be routed from Owensboro to Louisville and from Louisville to Winchester, the service would be physically routed in the sequence requested by the customer and would be priced according to that routing.

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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

BY Charles L. Brown  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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SECTION 5  
ORIGINAL PAGE 1

5. LOCAL CHANNEL MILEAGE MEASUREMENT

5.1 General

The rate mileages for two-point and multipoint local channel services are determined as set forth herein.

5.1.1 Two-Point Local Channel Service Mileage Measurement

When a two-point local channel service is furnished and two wire center areas are involved, the rate mileage is the airline distance measured as follows:

The rate mileage for a local channel between two customer premises is measured using the V&H coordinates of the serving wire centers of the customer premises.

The rate mileage for a local channel between a designated CNT central office and a customer's premises is measured using the V&H coordinates of the serving wire centers of the designated CNT central office and the customer's premises. The appropriate CNT central office to use as a pricing point is determined as set forth in A. following.

A. Determining the Pricing Central Office

The customer may specify a particular CNT central office within a LATA (i.e., customer specified routing). In such cases, the local channel will be physically routed and priced to the designated CNT central office specified by the customer. If the customer does not make such a specification, CNT will use the serving wire center of the customer's premises and the service category of the local channel service to be provided to determine the pricing central office for a customer's premises, as follows:

1. The serving wire center and LATA number for the customer's premises are determined by referring to NECA Tariff F.C.C. No. 4. Wire center information is listed in the NECA tariff by state, by locality. The appropriate wire center within a locality (i.e., the serving wire center) and the V&H coordinates for that wire center are determined by looking up the area code and the first three digits (e.g., 502-365) of the telephone number which normally serves the customer's premises.

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 5  
ORIGINAL PAGE 2

5. LOCAL CHANNEL MILEAGE MEASUREMENT

5.1 General (Cont'd)

5.1.1 Two-Point Local Channel Service Mileage Measurement (Cont'd)

A. Determining the Pricing Central Office (Cont'd)

2. If there is only one CNT central office in a LATA for a category of service, that central office is the pricing central office to which mileage is measured. If there are two or more CNT central offices in a LATA for a given category of service, the designated CNT central office used to determine mileage will be the one nearest to the customer's premises. Determine which central office is the pricing central office by calculating the airline distance using the V&H coordinates of the serving wire centers of the customer's premises and each designated CNT central office (see Calculation of Airline Mileage, within this tariff). If two CNT central offices are measured equidistant from the customer's premises using rounded mileage, the central office to be used is the one which is the nearest using unrounded mileage.

5.1.2 Multipoint Local Channel Service Mileage Measurement

When a multipoint local channel utilizes bridged and interbridge channels (i.e., LEC bridging), the rate mileage for the bridged, or interbridge channel(s) is the airline distance measured in accordance with the physical routing of the service and is determined as follows:

The rate mileage for a bridged channel is measured using (1) the V&H coordinates of the serving wire centers of the customer's premises or CNT central office, as appropriate, and (2) the V&H coordinates of the serving wire center of the Local Exchange company bridge.

The rate mileage for an interbridge channel is measured using the V&H coordinates of the wire centers of the Local Exchange Company bridges.

In all cases above, the airline mileage is determined as set forth within this tariff.

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BY Charles L. Brown  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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SECTION 5  
ORIGINAL PAGE 3

5. LOCAL CHANNEL MILEAGE MEASUREMENT

5.1 General (Cont'd)

5.1.3 Calculation of Airline Mileage

Following is an example of how mileage is calculated.

A. Example:

Pricing Point A:	Princeton, KY	(V) 6919	(H) 2979
Pricing Point B:	Madisonville, KY	(V) 6847	(H) 2941

B. Obtain the difference between the V coordinates. Then obtain the difference between the H coordinates. (The difference is always obtained by subtracting the smaller coordinate from the larger.)

	<u>V</u>	<u>H</u>
	6919	2979
	<u>-6847</u>	<u>-2941</u>
Difference	72	38

C. Square each difference.

72 X 72	=	5184
38 X 38	=	1,444

D. Add the squares of the two differences.

5184 + 1444 = 6628

E. Divide the sum of the squares by 10. (Round any fraction obtained to the next higher whole number.)

6628 / 10 = 662.8 Rounded = 663

F. Take the square root of the result obtained in 5. The result is the airline miles of the local channel. (Any fractional miles are rounded to the next higher whole number.)

Square root of 663 = 25.7  
Local Channel airline mileage (Rounded) = 26 miles

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EXECUTIVE DIRECTOR



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SECTION 6  
ORIGINAL PAGE 1

6. SPECIAL ARRANGEMENTS

6.1 Promotions

CNT may from time to time engage in special promotions of new or existing tariffed offerings of limited duration designed to attract new customers or to increase existing customer awareness of a particular offering. These promotional offerings are subject to the availability of services and facilities and may be limited to a specific geographical area or to a subset of a specific market group.

6.2 Contract Service Arrangements

6.2.1 General

- A. When economically practicable, customer specific contract service arrangements may be furnished in lieu of existing tariff offerings provided there is reasonable potential for competitive loss.
1. Rates, Charges, Terms and additional regulations, if applicable, for the contract service arrangement will be developed on an individual case basis, and will include all relevant costs, plus an appropriate level of contribution.
  2. Unless otherwise specified, the regulations for contract service arrangements are in addition to the applicable regulations and rates specified in other sections of this Tariff.
  3. All customers specific contract service arrangements will be considered highly proprietary competitive market information, and will be sealed so as to prevent disclosure outside of those with a need to know.

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 7  
ORIGINAL PAGE 1

7. T1.5 SERVICES-INTEROFFICE

7.1 General

An T1.5 Service provides for the transmission of 1.544 Mbps digital signals over terrestrial channels.

7.1.1 Description

T1.5 SERVICES are configured by furnishing office functions or by combining components to connect two designated CNT central offices. T1.5 Services are furnished on a two-point basis only.

7.1.2 Reserved for Future Use

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ORIGINAL PAGE 2

7. T1.5 SERVICES-INTEROFFICE

7.1 General (Cont'd)

7.1.3 Regulations

In addition to the Regulations in Section 2, preceding, the following apply.

A. Availability of an T1.5 Service

T1.5 Services are available from designated CNT central offices. T1.5 Services may not be available in every LATA.

B. Connection of other Access

If the connection provides the capability to transmit signals with encoded analog content via the T1.5 Service to the telecommunications network, it must comply with the minimum protection criteria.

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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BY: Gregory Barnum - Vice President

SECTION 7  
ORIGINAL PAGE 3

7. T1.5 SERVICES-INTEROFFICE

7.1 General (Cont'd)

7.1.3 Regulations (Cont'd)

C. Installation Charge Waiver

Installation charges will be waived for the Access Connection, Function Connection and the Local Channel and Access Coordination Function for Customers who order new Terrestrial 1.544 Mbps Local Channel Services with IOC, used in conjunction with T1.5 Local Channel Services.

In order for a Customer to qualify for the waived installation charges when ordering a new Terrestrial 1.544 Mbps Local Channel Service, the Terrestrial 1.544 Local Channel Service must be ordered with a Terrestrial 1.544 IOC to a minimum of one new IOC at speeds of 128 kbps and above or to a minimum of two new IOCs at speeds of between 56kbps and 64 kbps and the IOCs must be ordered simultaneously with the new Terrestrial 1.544 Mbps Local Channel Service.

Excluded from the installation charge waiver are:

Replacement of existing service with a service of the same type and speed; and

Additions to and/or rearrangements to existing services.

A Customer who discontinues service prior to 12 full months will be billed for the waived charges.

However, a Customer may discontinue service without liability for waived charges to: (1) replace a service with Frame Relay Service (2) replace a Voice Grade Local Channel Service with a digital service or (3) replace a digital service with a new digital service of a higher speed.

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SECTION 7  
ORIGINAL PAGE 4

7. T1.5 SERVICES-INTEROFFICE

7.1 General (Cont'd)

7.1.4 Minimum Payment Period

Except as noted within this tariff, the minimum payment period for all T1.5 Service components is one month.

7.1.5 Notice of Discontinuance

The notice of discontinuance for the IOC component of an T1.5 Service is 30 calendar days. Recurring charges apply for a period of 30 calendar days from the date CNT receives the discontinuance notice or until the requested discontinuance date, whichever is later. During this period, the charges will continue to apply whether or not the customer continues to use the service. For purposes of calculating the discontinuance charges for customers subscribing to a fixed rate plan, the customer's current fixed rate will apply until the expiration date of the fixed rate plan and conventional monthly rates will apply thereafter.

The notice of discontinuance for all other T1.5 Service components is 30 calendar days.

7.1.6 Cancellation Charge

A cancellation charge will apply, per component, for service orders canceled by the customer on or after the SID.

Refer to Price List for Cancellation Charge Schedule – T1.5.

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for an order involving an IOC and two office connections that is canceled after the SID but prior to the DLRD, cancellation charges listed under the "SID" column for the IOC and each of the two office connections apply.

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

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SECTION 7  
ORIGINAL PAGE 5

7. T1.5 SERVICES-INTEROFFICE

7.2 Service Components and Rates

7.2.1 Interoffice Channel (IOC)

An Interoffice Channel is a channel between two designated CNT central offices, points of connection, or a combination thereof.

A. Monthly Rates

The monthly per channel charge is mileage sensitive and includes two rates. The fixed rate applies to the channel itself, and a mileage rate applies to each airline mile of the Interoffice Channel. Refer to Price List.

B. Discounted Fixed Rate Plans

Discounted Fixed Rate Plans are available as alternatives to conventional monthly rates.

Refer to Price List for Minimum Term Discounts.

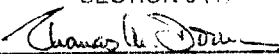
C. Calculation of Charges

To calculate the monthly recurring charge for each Interoffice Channel, first determine the airline mileage of the channel (see Calculation of Airline Mileage, within this tariff). Using the rate schedule which corresponds to the applicable rate plan, multiply the total calculated airline miles by the appropriate mileage rate. To this figure add the corresponding fixed rate. The sum of the mileage charge and the fixed charge is the total recurring monthly charge for the IOC.

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SECTION 7  
ORIGINAL PAGE 6

7. T1.5 SERVICES-INTEROFFICE

7.2 Service Components and Rates (Cont'd)

7.2.2 Office Connections

A. Access Connection

An access connection provides the function, at a designated CNT central office, of connecting Local Channels, other access, or a CNT enhanced service to an IOC, office function, another Local Channel, or other access. One access connection applies for each Local Channel, other access, or CNT enhanced service connected.

Refer to Price List.

B. Function Connection

A function connection provides the function, at the designated CNT central office, of connecting an office function to an IOC or another office function.

Refer to Price List.

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SECTION 9 (1)

BY Charles W. Edmon  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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SECTION 7  
ORIGINAL PAGE 7

7. T1.5 SERVICES-INTEROFFICE

7.2 Service Components and Rates (Cont'd)

7.2.3 Channel Options

Channel options are features added to a channel to change or augment its transmission characteristics.

A. Enhanced Diversity Routing

Under this option, two or more T1.5 IOC's are furnished entirely over physically and electrically separated transmission paths, such that a failure at one geographic location will not cause the loss of both paths. The Enhanced Diversity Routing (EDR) is offered where separate facilities are available, subject to routing or performance constraints resulting from the diverse routing and made known to the customer prior to ordering. If complete EDR is not available when ordered, or if it becomes unavailable at a later date due to network rearrangements, EDR may be furnished on a partial basis only at the customer's request. The customer will be advised before partial EDR is provided and may cancel or discontinue the EDR option if the partial EDR is not acceptable. No cancellation charge will apply if the facilities are not available or the customer does not accept the partial EDR. When EDR is ordered, an installation charge and a monthly charge apply for each IOC in an IOC relationship pair on which EDR is provided, i.e., IOC No. 1 is diverse from IOC No. 2.

Example 1: The customer has four IOC's and specifies that IOC No. 1 and IOC No. 2 be diversely routed. The relationship pair is 1 & 2. Two EDR monthly and installation charges apply, one for each IOC in the relationship pair. EDR charges will not apply to IOC Nos. 3 and 4.

Example 2: The customer has four IOC's and specifies that IOC Nos. 1 and 2 be diversely routed from IOC Nos. 3 and 4. The IOC relationship pairs are 1 & 3, 2 & 4, 1 & 4, 2 & 3. Eight EDR monthly and installation charges apply, one for each IOC in the relationship pair.

Example 3: The customer has three IOC's and specifies that each of the IOC's be diversely routed. The IOC relationship pairs are 1 & 2, 1 & 3, 2 & 3. Six EDR monthly and installation charges apply, one for each IOC in the relationship pair.

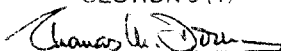
Example 4: The customer has two IOC's and specifies that IOC No. 1 be diversely routed from IOC No. 2. Central Office B is the only T1.5 POP in the LATA; Customer requests partial enhanced diversity routing. The IOC relationship pair is 1 & 2. Two EDR monthly and installation charges apply, one for each IOC in the relationship pair.

Refer to Price List

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OCT 26 2003

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SECTION 9 (1)

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SECTION 7  
ORIGINAL PAGE 8

7. T1.5 SERVICES-INTEROFFICE

7.2 Service Components and Rates (Cont'd)

7.2.3 Channel Options (Cont'd)

B. Clear Channel Capability

This option provides a customer with the capability to transmit DSO (64 Kbps) or DS1 (1.544 Mbps) signals with more than 15 consecutive zeros in a transmission. B8ZS (bipolar eight zero substitution) is the only coding technique acceptable for use with T1.5 Service to provide 64 Kbps clear channel capability.

Compatible Customer Premises equipment is required with this option. This equipment must be capable of transmitting and receiving B8ZS coding and must conform to extended superframe format.

An order for the Clear Channel Capability option must be placed coincidentally with the customer's order for T1.5 Service. This option is subject to availability and may not be available in all locations. There is no charge for this option on a T1.5 Interoffice Channel. The Local Channel rates are on an individual case basis.

Refer to Price List.

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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SECTION 7  
ORIGINAL PAGE 9

7. T1.5 SERVICES-INTEROFFICE

7.2 Service Components and Rates (Cont'd)

7.2.4 Office Functions

A. Transfer Arrangement

This transfer arrangement enables a customer to transfer a DS1 channel between two other DS1 channels.

An office connection is required for each DS1 channel connected to this arrangement.

A key-activated control channel or I X N Control Arrangement is required to operate the transfer arrangement. The control channel must be provided from the designated CNT central office to the control location of the customer. The key and channel must be provided by the customer. The control channel will require an office connection. Access to the I X N Control Arrangement requires a dial-up data station at the designated CNT central office.

Refer to Price List.

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SECTION 7  
ORIGINAL PAGE 10

7. T1.5 SERVICES-INTEROFFICE

7.2 Service Components and Rates (Cont'd)

7.2.4 Office Functions (Cont'd)

B. DS1 Switch Port

This office function provides electronic cross connection of DS0 Channels to provide Customer Controlled Reconfiguration.

Customer Controlled Reconfiguration - Customer Controlled Reconfiguration permits the Customer to electronically rearrange DS0 channels between DS1 channels. This can be done between all of a Customer's DS1 channels terminating in the same designated CNT central office. Customer Controlled Reconfiguration requires one DS1 Switch Port for each of the office connections. In addition, Customer Controlled Reconfiguration requires Customer-provided terminal equipment and private line service or a dial-up service to send the customer's instructions to the network control center. If the customer elects to use dial-up services to access the network control center, an CNT 800 Service or its equivalent is required to provide secure dial-back capability. The network control center then automatically provides the Customer with switching control and status reports.

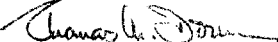
Refer to Price List.

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SECTION 7  
ORIGINAL PAGE 11

7. T1.5 SERVICES-INTEROFFICE

7.2 Service Components and Rates (Cont'd)

7.2.4 Office Functions (Cont'd)

C. Access Protection Capability

This office function provides protection against failure of a local channel or other access. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when the working channel fails. The spare channel is not included and must be ordered separately. This office function also requires compatible equipment to be provided by the customer at its premises.

Refer to Price List.

D. CNT Network Protection Capability (CNPC)

This office function provides protection against failure for an Interoffice Channel (IOC). Protection is furnished through the use of a switching arrangement that automatically switches to a separately routed, terrestrial digital protection channel when the working channel fails. The protection channel and the switching arrangement are provided when CNPC is ordered. When fiber optic facilities are not available for the entire IOC, terrestrial digital facilities may be used at the option of the Customer. CNPC is offered where facilities are available. If CNPC for the entire facility is not available when ordered, or becomes unavailable due to network rearrangements, CNPC may, at the customer's request, be furnished on a partial basis. The customer will be advised before partial CNPC is provided and may cancel or discontinue the CNPC if partial CNPC is not acceptable. No cancellation charge will apply if the facilities are not available or the customer does not accept the partial CNPC.

Refer to Price List.

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SECTION 8  
ORIGINAL PAGE 1

8. 1.544 Mbps LOCAL CHANNEL SERVICES

8.1 General

The 1.544 Mbps Local Channel Services provides for the transmission of 1.544 Mbps digital signals over terrestrial channels.

8.1.1 Description

An 1.544 Mbps Local Channel Service is capable of simultaneous two-way transmission of serial, bipolar, return-to-zero isochronous digital signals at a transmission speed of 1.544 Mbps on a two-point basis only.

The customer is responsible for providing channel service unit functionality at each local channel service termination on a customer's premises .

1.544 Mbps Local Channel Services use a framed DS1 signal format (D4 or ESF). Customers are required to select either D4 format or where available, the Extended Superframe (ESF).

Intrastate/InterLATA Terrestrial T1.5 Local Channel Service is furnished: (1) between a Customer's premises and a designated CNT central office in the same LATA to connect that premises to InterLATA IOC, or (2) solely as an access coordination function.

Intrastate/IntraLATA Terrestrial T1.5 Local Channel Service is furnished: (1) between two Customer premises in the same LATA, or (2) between a Customer's premises and a designated CNT central office in the same LATA to connect that premises to IntraLATA IOC or another Intrastate/IntraLATA Local Channel.

8.1.2 Signals at the Interface

All signals generated by customer equipment and presented to the interface must meet certain signal and format constraints. Some of these constraints are listed below.

A. Signal and Format Constraints for Framed DS1 Signals

Data Rate: 1.544 Mbps +/- 75 bps.

Consecutive Zeros: No more than 15 consecutive zeros may be generated.

Pulse Density: At least three pulses in any 24 bit interval.

F Bit Position: This framing constraint permits the use of every 193rd bit position for framing, error detection, signaling, and the transmission of other network control information.

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BY Thomas L. Barnum  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

ISSUED:  
EFFECTIVE:  
BY: Gregory Barnum - Vice President

SECTION 8  
ORIGINAL PAGE 2

8. 1.544 Mbps LOCAL CHANNEL SERVICES

8.1 General (Cont'd)

8.1.3 Regulations

In addition to the Regulations in Section 2, preceding, the following apply.

A. Availability of a Local Channel Service

1.544 Mbps Local Channel Services may not be available in every LATA or from each LEC wire center.

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BY Charles L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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SECTION 8  
ORIGINAL PAGE 3

8. 1.544 Mbps LOCAL CHANNEL SERVICES

8.1 General (Cont'd)

8.1.3 Regulations (Cont'd)

B. Connection of Channel Service Unit Functionality

The customer is responsible for providing channel service unit functionality at each termination of a local channel service on a customer's premises.

In the event that a trouble indication exists which necessitates a visit of a repair person to a customer's premises because of the absence of a loop-back in the customer's equipment, a Maintenance of Service Charge will apply (see Maintenance of Service Charge, within this tariff).

The connection of channel service unit functionality to 1.544 Mbps Local Channel Services shall be in accordance with Part 68 of the FCC's Rules and Regulations (Registration Program).

C. Installation Charge Waiver

Installation charges will be waived for Terrestrial 1.544 Mbps Local Channel Services including the Access Coordination Function for Customers who order a new Terrestrial 1.544 with IOC or CNT Interoffice Digital Service Spectrum (CIDSS) with IOC used in conjunction with Terrestrial 1.544 Mbps Local Channel Service.

In order for a Customer to qualify for the waived installation charges, the Terrestrial 1.544 Local Channel Service must be ordered with a Terrestrial 1.544 IOC to a minimum of one new CIDSS IOC at speeds of 128 kbps and above or to a minimum of two new CIDSS IOCs at speeds of between 56 kbps and 64 kbps and the IOCs must be ordered simultaneously with the new Terrestrial 1.544 Mbps Local Channel Service.

Excluded from the installation charge waivers are:

Replacement of existing service with a service of the same type and speed; and

Additions to and/or rearrangements to existing services.

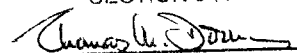
A Customer who discontinues service prior to 12 full months will be billed for the waived charges.

However, a Customer may discontinue service without liability for waived charges as specified within this tariff.

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SECTION 8  
ORIGINAL PAGE 4

8. 1.544 Mbps LOCAL CHANNEL SERVICES

8.1 General (Cont'd)

8.1.4 Minimum Payment Period

The minimum payment period for a 1.544 Mbps local channel service or component is equal to the minimum service period for 1.544 Mbps local channels as established by Local Exchange Company tariffs.

8.1.5 Notice of Discontinuance

The Notice of Discontinuance for a 1.544 Mbps Local Channel Service or component is 30 calendar days. Recurring charges apply for a period of 30 calendar days from the date CNT receives the discontinuance notice or until the requested discontinuance date, whichever is later. During this period, the charges will continue to apply whether or not the customer continues to use the local channel service component.

8.1.6 Cancellation Charge

As specified in within this tariff, a cancellation charge will apply for service orders canceled by the customer on or after the SID.

Refer to the Price List for the Cancellation Charge Schedule - 1.544 Mbps Local Channel Services.

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for an order which is canceled after the DLRD but prior to the RID, a charge as listed under DLRD column will apply for each access coordination function. In addition, if a local channel has been ordered, a charge equal to the installation charge for each local channel multiplied by the % indicated in DLRD column will also apply.

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BY Chavon L. Brown  
EXECUTIVE DIRECTOR



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SECTION 8  
ORIGINAL PAGE 5

8. 1.544 Mbps LOCAL CHANNEL SERVICES

8.2 1.544 Mbps Local Channel Service Rates

The rates applicable to 1.544 Mbps Local Channel Services are as set forth herein.

8.2.1 Local Channels

CNT will provide 1.544 Mbps Local Channels on an individual case basis at rates based on the price for such local channels as established by Local Exchange Company tariffs. These rates will include recurring and nonrecurring charges and may include termination charges.

Refer to Price List.

8.2.2 Access Coordination Function

An access coordination function is required for each local channel provided by CNT or for each access channel provided by the customer for which CNT provides access coordination.

Refer to Price List.

8.2.3 Channel Options

The following channel options are available for use with 1.544 Mbps Local Channel Services:

A. Special Routing

An 1.544 Mbps Local Channel Service is normally furnished using facilities selected by CNT. However, special routing options are available where the required components are available. If complete special routing is not available when ordered, or if it becomes unavailable at a later date due to network rearrangements, special routing may only be furnished on a partial basis. The customer will be advised before partial special routing is provided and may cancel or discontinue the special routing if the partial special routing is not acceptable. No cancellation charge will apply in such case. Diversity is the only special routing option available for 1.544 Mbps Local Channel Services.

1. Diversity

Two or more 1.544 Mbps Local Channel Services may be furnished partially or entirely over not more than two physically separated routes, subject to availability of facilities. Diversity is furnished for a portion of the local channel or for the entire local channel depending on the facilities available. If there are more than two local channels, the local channels are divided into two groups and furnished partially or entirely over two physically separated routes.

Charges will be developed and filed on an individual case basis.

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SECTION 8  
ORIGINAL PAGE 6

8. 1.544 Mbps LOCAL CHANNEL SERVICES

8.2 1.544 Mbps Local Channel Service Rates (Cont'd)

8.2.4 Special Access Surcharge

In addition to the rates set forth within this tariff, a Special Access Surcharge applies to each voice grade equivalent channel, derived from a 1.544 Mbps Local Channel Service, which is terminated at a PBX or equivalent device capable of interconnecting the derived channel with the local exchange network (for additional information regarding the application of the Special Access Surcharge, refer to the regulations set forth within this tariff).

Special Access Surcharge Rates are as specified in the Price List.

8.2.5 Customer Access Selection Charge (CASC)

When a Customer orders a Terrestrial 1.544 Mbps Local Channel Service and requests an access provider other than the one selected by CNT, and CNT provisions the local channel service with the access provider requested by the Customer, a monthly recurring CASC applies in addition to the price of the local channel service. The monthly recurring CASC does not count toward revenue commitments and is not eligible for discounts.

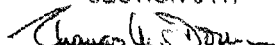
Refer to Price List.

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SECTION 9  
ORIGINAL PAGE 1

9. T45 SERVICES-INTEROFFICE

9.1 General

T45 Services provide for the transmission of 44.736 Mbps digital signals.

T45 Services use a framed DS3 signal format. When used to carry Multiplexed DS1 Channels, the signal carried within the framed DS3 format must contain Formatted DS1 channels, to a maximum of 28.

9.1.1 Description

T45 Services are configured by combining service components at designated CNT central offices. T45 Interoffice Channels are furnished on a two-point basis only.

9.1.2 Reserved for Future Use

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

ISSUED:  
EFFECTIVE:  
BY: Gregory Barnum - Vice President

SECTION 9  
ORIGINAL PAGE 2

9. T45 SERVICES-INTEROFFICE

9.1 General (Cont'd)

9.1.3 Regulations

In addition to the Regulations in Section 2 preceding, the following apply.

A. Availability of T45 Services

T45 Services are available from the designated CNT central offices. T45 Services may not be available in every LATA.

9.1.4 Minimum Payment Period

The minimum payment period for all T45 Service components is one month.

9.1.5 Notice of Discontinuance

The Notice of Discontinuance for all T45 Service components is one month. Recurring charges will apply for a period of one month from the date CNT receives the discontinuance notice or until the requested discontinuance date, whichever period is longer. These charges will apply during this period whether or not the customer continues to use the service.

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BY Charles H. Dyer  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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ISSUED:  
EFFECTIVE:  
BY: Gregory Barnum - Vice President

SECTION 9  
ORIGINAL PAGE 3

9. T45 SERVICES-INTEROFFICE

9.2 Service Components and Rates

The components of an T45 Service are Interoffice Channels, Office Connections, and Office Functions.

9.2.1 Interoffice Channel (IOC)

A T45 Interoffice Channel is a channel between two designated CNT central offices, points of connection, or a combination thereof, on digital fiber optic network or on terrestrial digital facilities at the discretion of the customer when fiber optic facilities are not available. The IOC monthly recurring charge comprises two elements. A fixed element applies per channel and a mileage element applies per airline mile of the IOC.

Refer to Price List.

9.2.2 Office Connections

A. Access Connection

An Access Connection provides the function, at a designated CNT central office, of connecting Local Channels, other access, or a CNT enhanced service to an IOC, office function, another Local Channel, other access, a CNT enhanced service or a CNT service as specified within this tariff. One access connection applies for each Local Channel, other access or CNT enhanced service connected.

Refer to Price List.

B. Function Connection

A function connection provides the function, at a designated CNT central office, of connecting an office function to an IOC, another office function, or a CNT service as specified within this tariff, or of connecting an IOC to a CNT service as specified within this tariff.

Refer to Price List.

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BY Charles L. Brown  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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SECTION 9  
ORIGINAL PAGE 4

9. T45 SERVICES-INTEROFFICE

9.2 Service Components and Rates (Cont'd)

9.2.3 Channel Options

Channel options are features added to a channel to change or augment its transmission characteristics.

CNT Enhanced Diversity Routing

Under this option, two or more T45 IOC's are furnished entirely over physically and electrically separated transmission paths, such that a failure at one geographic location will not cause the loss of both paths. The CNT Enhanced Diversity Routing (CEDR) is offered where separate facilities are available, subject to routing or performance constraints resulting from the diverse routing and made known to the customer prior to ordering. If complete CEDR is not available when ordered, or if it becomes unavailable at a later date due to network rearrangements, CEDR may be furnished on a partial basis only at the customer's request. The customer will be advised before partial CEDR is provided and may cancel or discontinue the CEDR option if the partial CEDR is not acceptable. No cancellation charge will apply if the facilities are not available or the customer does not accept the partial CEDR. When CEDR is ordered, an installation charge and a monthly charge apply for each IOC in an IOC relationship pair on which CEDR is provided, i.e., IOC No. 1 is diverse from IOC No. 2.

Example 1: The customer has four IOC's and specifies that IOC No. 1 and IOC No. 2 be diversely routed. The relationship pair is 1 & 2. Two CEDR monthly and installation charges apply, one for each IOC in the relationship pair. CEDR charges will not apply to IOC Nos. 3 and 4.

Example 2: The customer has four IOC's and specifies that IOC Nos. 1 and 2 be diversely routed from IOC Nos. 3 and 4. The IOC relationship pairs are 1 & 3, 2 & 4, 1 & 4, 2 & 3. Eight CEDR monthly and installation charges apply, one for each IOC in the relationship pair.

Example 3: The customer has three IOC's and specifies that each of the IOC's be diversely routed. The IOC relationship pairs are 1 & 2, 1 & 3, 2 & 3. Six CEDR monthly and installation charges apply, one for each IOC in the relationship pair.

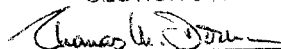
Example 4: The customer has two IOC's and specifies that IOC No. 1 be diversely routed from IOC No. 2. Central Office B is the only T45 POP in the LATA; customer requests partial enhanced diversity routing. The IOC relationship pair is 1 & 2. Two CEDR monthly and installation charges apply, one for each IOC in the relationship pair.

Refer to Price List.

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SECTION 9  
ORIGINAL PAGE 5

9. T45 SERVICES-INTEROFFICE

9.2 Service Components and Rates (Cont'd)

9.2.4 Office Functions

A. CNT Network Protection Capability (CNPC)

This office function provides protection against failure for an Interoffice Channel (IOC). Protection is furnished through the use of a switching arrangement that automatically switches to a separately routed, terrestrial digital protection channel when the working channels fails. The Protection Channel and the switching arrangement are provided when CNPC is ordered.

CNPC is offered where facilities are available. If CNPC for the entire facility is not available when ordered, or becomes unavailable due to network arrangements, CNPC may, at the customer's request, only be furnished on a partial basis. The customer will be advised before partial CNPC is provided and may cancel or discontinue the CNPC if partial CNPC is not acceptable. No cancellation charge will apply if the facilities are not available or the customer does not accept the partial CNPC.

Refer to Price List.

B. Access Protection Capability

This office function provides protection against failure of a Local Channel or other access. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when the working channel fails. The spare channel is not included and must be ordered separately. This office function also requires compatible equipment to be provided by the Customer at its premises.

Refer to Price List.

C. Switch Port

This office function connects a DS3 channel to the CNT Reserved Digital Service (CRDS) Network. An office connection is required for each DS3 channel connected to a DS3 Switch Port and for the connection of the DS3 Switch Port to the CRDS network.

Refer to Price List.

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BY Chambers L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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ISSUED:  
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BY: Gregory Barnum - Vice President

SECTION 10  
ORIGINAL PAGE 1

10. T45 MBPS LOCAL CHANNEL SERVICES

10.1 General

A T45 Mbps Local Channel Service provides for the transmission of 44.736 Mbps digital signals.

T45 Mbps Local Channel Services use a framed DS3 signal format. When used to carry Multiplexed DS1 Channels the signal carried within the framed DS3 format must contain Extended Superframe formatted DS1 channels, to a maximum of 28.

10.1.1 Description

A T45 Mbps Local Channel Service provides a digital channel for the two-way simultaneous transmission of signals at the DS3 rate of 44.736 Mbps.

A T45 Mbps Local Channel Service is suitable for the transmission of voice, data (including CNT Interoffice Digital Service Spectrum) or any other application required by the customer which utilizes digital signals within the specified transmission parameters of the local channel.

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BY   
EXECUTIVE DIRECTOR



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SECTION 10  
ORIGINAL PAGE 2

10. T45 MBPS LOCAL CHANNEL SERVICES

10.1 General (Cont'd)

10.1.2 Regulations

In addition to the regulations in Section 2 preceding, the following apply.

A. Availability of a Local Channel Service

T45 Mbps Local Channel Services are available from the designated CNT central offices. T45 Mbps Local Channel Services may not be available in every LATA.

10.1.3 Minimum Payment Period

The minimum payment period for a T45 Mbps Access Coordination Function shall be one month, unless otherwise indicated within this tariff. The minimum payment period for a Local Channel is as indicated within this tariff.

10.1.4 Fixed Term Plans

When service is provided for a fixed term, as indicated in within this tariff, the rates for service will not be subject to CNT initiated increases during the service period. These rates will be changed pursuant to any order of the state regulatory commission, or any other applicable governmental regulatory authority affecting this tariff or the rates of the underlying access supplier.

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BY Charles L. Barnum  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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BY: Gregory Barnum - Vice President

SECTION 10  
ORIGINAL PAGE 3

10. T45 MBPS LOCAL CHANNEL SERVICES

10.1 General (Cont'd)

10.1.5 Notice of Discontinuance

Except for services provided under a fixed term plan, the Notice of Discontinuance for T45 Mbps Local Channel Services is one month. Recurring charges will apply for a period of one month from the date CNT receives the discontinuance notice or until the discontinuance date, whichever period is longer. For services provided under a fixed term plan, discontinuance provisions are specified within this tariff.

10.1.6 Fixed Term Plan Discontinuance

If the customer discontinues service prior to the end of the term specified within this tariff, the customer is responsible for full payment based on the number of months remaining on the term times the monthly rate in effect on the date service is discontinued, plus any unpaid installation charges. This payment is due within thirty days of the date of service discontinuance.

CNT will collect all charges and reimburse the customer for any difference between the amount paid by the customer and any lesser liability payable by CNT to the underlying access supplier.

10.1.7 Cancellation Charge

As specified within this tariff preceding the cancellation charge for T45 Mbps Local Channel Service orders canceled after the start of installation will be equal to an estimate of the net costs incurred in each installation not to exceed the charges for the minimum payment period.

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BY Charles L. Barnum  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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BY: Gregory Barnum - Vice President

SECTION 10  
ORIGINAL PAGE 4

10. T45 MBPS LOCAL CHANNEL SERVICES

10.2 T45 Mbps Local Channel Service Rates

The rates applicable to T45 Mbps Local Channel Services are as follows.

10.2.1 Local Channels

The rates for the local channel component of a T45 Mbps Local Channel Service are established on an individual case basis and are as specified in the Price List.

10.2.2 Access Coordination Function (ACF)

An Access Coordination Function is required for each local channel provided under this tariff or for each access channel provided by the Customer for which CNT provides access coordination. The rates for Access Coordination Functions are established on an individual case basis, as specified in the Price List.

10.2.3 Special Access Surcharge

In addition to the rates set forth within this tariff, a Special Access Surcharge applies to each voice grade equivalent channel, derived from a T45 Mbps Local Channel Service which is terminated at a PBX or equivalent device capable of interconnecting the derived channel with the local exchange network. The rates are established on an individual case basis, as specified in the Price List.

10.2.4 Customer Access Selection Charge (CASC)

When a Customer orders a Terrestrial 45 Mbps Local Channel Service and requests an access provider other than the one selected by CNT, and CNT provisions the local channel service with the access provider requested by the Customer, a monthly recurring CASC applies in addition to the price of the local channel service. The monthly recurring CASC does not count toward revenue commitments and is not eligible for discounts.

Refer to Price List.

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BY Charles L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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BY: Gregory Barnum - Vice President

SECTION 11  
ORIGINAL PAGE 1

11. Asynchronous Transfer Mode

11.1 General

Asynchronous Transfer Mode (ATM) is a fast-packet based switching and transport technology that can support data applications over a single physical access link. This high-speed service utilizes digital access facilities and high performance ATM switches to allow for the efficient transfer of data between various customer locations.

11.1.1 Description

Asynchronous Transfer Mode is a dedicated-connection switching technology that organizes digital data into 53-byte cell units and transmits them over a physical medium using digital signal technology. Individually, a cell is processed asynchronously relative to other related cells and is queued before being multiplexed over the transmission path.

11.1.2 Regulations

In addition to the Regulations in Section 2., preceding, the following apply.

- A. Availability – These Services are available from designated CNT central offices, and may not be available in every LATA.
- B. Connection to Other Services

Other access at various speeds may be connected to a designated CNT Central Office.

11.1.3 Minimum Payment Period

The minimum payment period for all ATM components shall be 12 months.

11.1.4 Notice of Discontinuance

The Notice of Discontinuance for ATM is one month. Recurring charges will apply for a period of one month from the date CNT receives the discontinuance notice or until the requested discontinuance date, whichever period is longer. These charges apply during this period whether or not the Customer continues to use the service.

11.1.5 Cancellation Charge

As specified within this tariff the cancellation charge for individual case basis orders canceled after the start of installation will be equal to an estimate of the net costs incurred in each installation not to exceed the charges for the minimum payment period.

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BY: Charles L. Barnum  
EXECUTIVE DIRECTOR

STATE SERVICE COMMISSION  
OF KENTUCKY  
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CORPORATION  
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SECTION 11  
ORIGINAL PAGE 2

11. Asynchronous Transfer Mode

11.2 Service Components and Rates

The components of ATM are Interoffice Channel and Local Channel

11.2.1 Interoffice Channel

An Interoffice Channel is a channel between two designated CNT central offices, points of connection, or a combination thereof.

Rates are as specified in the Price List

11.2.2 Local Channel

A Local Channel is a channel between a designated CNT central office to a customer's premises.

Rates are as specified in the Price List

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BY Charles L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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BY: Gregory Barnum - Vice President

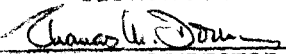
SECTION 12  
ORIGINAL PAGE 1

12. RESERVED FOR FUTURE USE

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EXECUTIVE DIRECTOR

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CORPORATION  
STATE OF KENTUCKY  
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SECTION 13  
ORIGINAL PAGE 1

13. RESERVED FOR FUTURE USE

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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EFFECTIVE:  
BY: Gregory Barnum - Vice President

SECTION 14  
ORIGINAL PAGE 1

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.1 General

A Voice Grade Local Channel Service provides for the transmission of analog signals within a frequency bandwidth of approximately 300 to 3000 Hz.

14.1.1 Description

A Voice Grade Local Channel Service is suitable for transmission in one direction (one-way) or transmission in two directions (two-way) of voice, data or any other application required by the customer which utilizes analog signals within the specified transmission parameters of the local channel. The application required by the customer is accommodated via a technical specifications package.

Multipoint local channel services are normally bridged at the designated CNT Central Office. Subsequent to the effective date of this tariff, CNT will at the customer's request, design its service to multiple customer premises within a LATA via the use of a bridge(s) located at a Local Exchange Company wire center(s). The customer may request specific LEC bridging locations, or may alternately request CNT to employ LEC bridging to the extent it deems practical using good engineering judgment. However, if CNT determines that it is unable to meet service design and technical performance criteria in the configuration requested, the customer will be advised and given the opportunity to cancel or change the order. In such cases, no charge will apply for the cancellation or change in the customer's order.

Intrastate/InterLATA Voice Grade Local Channel Service is provided: (1) between one or more Customer's premises and designated CNT central office in the same LATA for connection to InterLATA IOC, or (2) solely as an access coordination function(s).

Intrastate/IntraLATA Voice Grade Local Channel Service is provided: (1) between two Customer premises in the same LATA, or (2) between a Customer's premises and a designated CNT central office in the same LATA to connect that premises to IntraLATA IOC or another Intrastate/IntraLATA Local Channel at the Central Office.

Examples of technical considerations are:

generally data circuits will not perform satisfactorily with more than two interbridge circuit links in tandem.

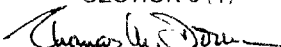
CNT's ability to test and restore circuits is diminished when bridging occurs outside its central offices. This is particularly severe when bridges are connected in tandem outside its central offices.

When CNT bridging is employed to provide a multipoint local channel service, the local channel is billed via the local channel offering set forth within this tariff.

When LEC bridging is employed to provide a multipoint local channel service, the local channel is configured in accordance with the specifications set forth within this tariff and is billed via the bridged and interbridge channel offerings set forth within this tariff.

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BY   
EXECUTIVE DIRECTOR



COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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SECTION 14  
ORIGINAL PAGE 2

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.1 General (Cont'd)

14.1.2 Regulations

In addition to the regulations in Section 2, preceding, the following apply.

A. Availability of a Local Channel Service

Voice Grade Local Channel Services are not available from designated CNT central offices. In addition, the Local Exchange Company central offices at which bridging is available are listed in the Local Exchange Company Tariffs.

B. Installation Charge Waiver

Installation charges will be waived for Voice Grade Local Channel Services including the Access Coordination Function and Voice Grade Local Channel C and D Type Data Conditioning for Customers who order a new CNT Interoffice Digital Service Spectrum (CIDSS) with IOC used in conjunction with Voice Grade Local Channel Service.

Excluded from the installation charge waiver are:

IOC or Local Channel signaling capability;

Replacement of existing service with a service of the same type and speed; and

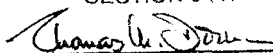
Additions to and/or rearrangements to existing services.

A Customer who discontinues service prior to 12 full months will be billed for the waived charges. However, a Customer may discontinue service without liability for waived charges as specified within this tariff.

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
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SECTION 14  
ORIGINAL PAGE 3

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.1 General (Cont'd)

14.1.3 LEC Bridging Arrangements

A bridging arrangement in a Local Exchange Company central office provides the capability to connect two (2) or more customer locations with an Interoffice Channel. These multipoint channels are configured according to the following specifications and are billed via the bridged and interbridge channel offerings set forth within this tariff.

Each bridging arrangement has a capacity of six (6) ports. At least three (3) ports on each bridging arrangement must be utilized by a bridged channel or an interbridge channel.

Generally, a maximum of three (3) bridging arrangements is permitted per interoffice channel and all interconnected interoffice channels and local channels. However, in order to meet design requirements for particular configurations, the maximum number of bridging arrangements may be lower.

Local Exchange Company central offices at which bridging arrangements are available are listed in Local Exchange Company tariffs. Bridging arrangements are provided subject to availability of LEC facilities.

14.1.4 Minimum Payment Period

The minimum payment period for a Voice Grade Local Channel or component is one month.

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SECTION 9 (1)

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SECTION 14  
ORIGINAL PAGE 5

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.1 General (Cont'd)

14.1.5 Notice of Discontinuance

The Notice of Discontinuance for a Voice Grade Local Channel or component is 15 calendar days. Recurring charges apply for a period of 15 calendar days from the date CNT receives the discontinuance notice or until the requested discontinuance date, whichever is later. During this period, the charges will continue to apply whether or not the customer continues to use the local channel or component.

14.1.6 Cancellation Charge

As specified within this tariff, cancellation charges will apply for service orders canceled by the customer on or after the SID.

Refer to Price List for the Cancellation Charge Schedule - Voice Grade.

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for an order which is canceled after the DLRD but prior to the RID, a charge for each access coordination function, and each local channel, bridged channel and interbridged channel as indicated under the column entitled "DLRD" will apply. Where a percentage is indicated, that percentage is applied to the minimum payment period recurring charge for the cost of the channel.

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EXECUTIVE DIRECTOR

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CORPORATION  
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ORIGINAL PAGE 5

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.2 Voice Grade Local Channel Service Rates

The rates applicable to Voice Grade Local Channel Services are as set forth herein.

14.2.1 Local Channels

The rates for local channels apply for two-point only and are as specified in the Price List.

14.2.2 Bridged Channels

The rates for bridged channels apply on LEC bridged multipoint local channel services only and apply for the channel between a LEC bridge and a designated CNT central office or customer's premises. The rates for bridged channels are as specified in the Price List.

14.2.3 Interbridge Channels

The rates for interbridge channels apply on LEC bridged multipoint local channel services only and apply for the channel connecting two LEC bridges. The rates for interbridged channels are as specified in the Price List.

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SECTION 9 (1)

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SECTION 14  
ORIGINAL PAGE 6

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.2 Voice Grade Local Channel Service Rates (Cont'd)

14.2.4 Access Coordination Function

An access coordination function is required for:

each two-point local channel provided by CNT,

each customer premises termination (excluding Local Exchange Company bridge terminations) on a multipoint local channel provided by CNT,

each two-point access channel provided by the customer for which CNT provides access coordination, or

each customer premises termination (excluding Local Exchange Company bridge terminations) on a multipoint access channel provided by the customer for which CNT provides access coordination.

Refer to Price List.

14.2.5 Special Access Surcharge

In addition to the rates set forth within this tariff, a Special Access Surcharge applies to each termination of a Voice Grade Local Channel Service which is terminated in a PBX or equivalent device capable of interconnecting the channel with the local exchange network. For additional information regarding the application of the Special Access Surcharge, refer to the regulations set forth within this tariff.

Refer to Price List.

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SECTION 14  
ORIGINAL PAGE 7

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.2 Voice Grade Local Channel Service Rates (Cont'd)

14.2.6 Channel Options

The following channel options are available for use with Voice Grade Local Channel Services.

A. Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade Local Channel Services. For two-point local channel services the parameters apply to each local channel. For multipoint local channel services, the parameters apply between two communicating points.

1. C-Type Conditioning

This conditioning is for the additional control of attenuation distortion and envelope delay distortion. The rates for C-Type Conditioning apply per point (CNT central office or customer's premises) arranged on a local channel service. Only one kind of C-Type Conditioning may be applied to a local channel. Rates are as specified in the Price List.

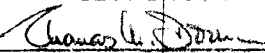
2. D-Type Conditioning

The rates for D-Type conditioning apply per point (CNT central office or customer's premise) arranged on a local channel service and are as specified in the Price List.

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SECTION 9 (1)

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SECTION 14  
ORIGINAL PAGE 8

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.2 Voice Grade Local Channel Service Rates (Cont'd)

14.2.6 Channel Options (Cont'd)

B. Signaling

Signaling is the process by which one location alerts another location on the same channel or network that it wishes to communicate.

The signaling arrangements available permit signals generated by other equipment at a location to be transmitted over a local channel service. They do not include the capability to initiate or receive those signals.

The signaling arrangement to be used on a local channel service is dependent on the type of equipment connected to the local channel service, the function of the channel (e.g., off-premises station, foreign exchange, tie trunk) and the manner in which the customer wants the signal process to operate (e.g., ringdown, dial).

1. Loop Start Loop Signaling

Loop start loop signaling is used for off-premises stations, trunk to station tie lines, and other channels which are terminated in switching equipment at one end and other terminal equipment (e.g., in a handset) at the other end. The interface with the switching equipment is referred to as the open end and the interface with the station is referred to as the closed end.

This signaling arrangement is designed to pass an open loop (idle condition) or closed loop (seized condition) from the station to the switching equipment. It will transmit dial pulse or multifrequency pulsing signals from the station to the switching equipment and dial tone and 20 Hertz ringing from the switching equipment to the station.

2. Ground Start Loop Signaling

This signaling arrangement is used for channels that interface with central office switching equipment on the open end and PBX on the closed end to provide a PBX to central office trunk.

In the operation of this arrangement the closed end provides a closed loop and momentary ground for the ring conductor as a seizure. The open end provides a ground on the tip and battery on the ring as a seizure. This arrangement will transmit dial tone and 20 Hertz ringing from the open end to the closed end, and will transmit dial pulses or multifrequency pulsing address signals from the closed end to the open end.

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SECTION 9 (1)

BY Changli Song  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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SECTION 14  
ORIGINAL PAGE 9

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.2 Voice Grade Local Channel Service Rates (Cont'd)

14.2.6 Channel Options (Cont'd)

3. E&M Signaling Interface

This signaling arrangement is used for registered or grandfathered switching equipment tie trunks and is available as Type I, II, or III E&M Signaling.

4. Two-Point Automatic Ringdown Signaling Arrangements Loop Closure Interface

In this signaling arrangement, the calling station activates 20 Hertz ringing by providing a tip to ring conductor short as an offhook signal. The 20 Hertz ringing operates a bell or relay at the distant station. Loop Closure interface is used for handset, key set, switchboard, and console terminations.

5. Manual Signaling Arrangements for Two-Point Or Multipoint Local Channel Services 20 Hertz Interface

In this signaling arrangement the calling station transmits 20 Hertz ringing activated by the operation of a key or a button. The 20 Hertz ringing activates a bell or relay at the distant station. In the multipoint local channel service application, all stations receive the ring from the calling location.

6. Manual Signaling Arrangement With Code Selection for Multipoint Local Channel Services

This signaling arrangement is similar to the manual signaling arrangement for two-point local channels except that the calling station can select a single distant station or group of stations by keying one of nine predetermined codes. Only the station or stations called will respond to the ringing current.

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SECTION 9 (1)

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EXECUTIVE DIRECTOR



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SECTION 14  
ORIGINAL PAGE 10

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.2 Voice Grade Local Channel Service Rates (Cont'd)

14.2.6 Channel Options (Cont'd)

B. Signaling (Cont'd)

7. Loop Reverse Battery

This signaling arrangement changes the signaling state when the battery and ground on the tip and ring are reversed. This arrangement is typically used on PBX and Centrex tie trunks.

8. Signal Range Extension

Signal Range Extension is required when a local channel service (arranged for loop start dial signaling) is used as an off-premises station. There are three types:

Type A is furnished for use with Class A PBX (or similar) station ports capable of operation over loops with resistance in the range of 0-199 ohms.

Type B is furnished for use with Class B PBX (or similar) station ports capable of operation over loops with resistance in the range of 200-899 ohms.

Type C is furnished for use with Class C PBX (or similar) station ports capable of operation over loops with resistance in the range of 900 ohms or more.

The rates for signaling apply per point (CNT central office or customer's premises) arranged on a local channel service and are as specified in the Price List.

C. Special Routing

A Voice Grade Local Channel is normally furnished using facilities selected by CNT. Various special routing options are available for Voice Grade Local Channels. These special routing options have associated charges in addition to other applicable charges. If complete special routing is not available when ordered, or if it becomes unavailable at a later date due to network rearrangements, special routing may only be furnished on a compromised basis. The customer will be advised before partial special routing is provided and may cancel the order or discontinue the special routing if the partial special routing is not acceptable. No cancellation charge will apply in such cases. The customer options for special routing follow. Special routing is furnished subject to the availability of facilities.

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SECTION 9 (1)

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SECTION 14  
ORIGINAL PAGE 11

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.2 Voice Grade Local Channel Service Rates (Cont'd)

14.2.6 Channel Options (Cont'd)

C. Special Routing (Cont'd)

1. Diversity

Two or more local channels are furnished partially or entirely over not more than two physically separated routes, subject to availability of facilities. Diversity is furnished for any portion of the local channel or in its entirety. If there are more than two local channels, the local channels are divided into two groups and furnished partially or entirely over two physically separated routes. Charges will be developed and filed on an individual case basis, as specified in the Price List.

2. Avoidance

A local channel is furnished over a facility that avoids a specified geographic location. Avoidance is offered subject to availability of alternate route facilities. Charges will be developed and filed on an individual case basis, as specified in the Price List.

3. Diversity and Avoidance

A combination of diversity and avoidance. Charges will be developed and filed on an individual case basis.

4. Cable-Only

A local channel is furnished over cable-only facilities. Charges will be developed and filed on an individual case basis.

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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SECTION 14  
ORIGINAL PAGE 12

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.3 Foreign Exchange Service

Foreign Exchange Service enables a customer to obtain dial tone and related features in a LEC serving wire center outside the LATA of the LEC serving wire center that normally serves the customer's premises.

14.3.1 Components

The components of Foreign Exchange Service provided under this tariff are:

A. Local Channel

For the portion of Foreign Exchange Service between the customer's premises and a designated CNT central office, voice grade local channel rates set forth within this tariff. apply or the customer may provide other access.

B. Access Coordination Function

A voice grade access coordination function is required for the Feature Group A access connection required to provide Foreign Exchange Service and for each two-point local channel service provided, ordered or maintained by CNT. The rates applicable to voice grade access coordination functions are set forth within this tariff.

C. Signaling

Appropriate signaling is required for each local channel used to provide Foreign Exchange Service.

D. Special Access Surcharge

All special access surcharge regulations and rates applicable to other local channel services also apply to local channels used to provide Foreign Exchange Service.

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SECTION 14  
ORIGINAL PAGE 13

14. VOICE GRADE LOCAL CHANNEL SERVICES

14.3 Foreign Exchange Service (Cont'd)

14.3.1 Components (Cont'd)

E. The following components will be billed to the customer by the LEC providing dial tone for the FX service:

1. Feature Group A Access Service

CNT will arrange Feature Group "A" Access Service for the customer from the LEC at rates and charges specified in the LEC's Intrastate Access Tariff. The LEC will bill all nonrecurring, monthly, and/or usage charges for this service directly to the customer. Charges may vary from month to month based on the customer's actual use.

2. Special Access Charges

Certain LECs assess special access charges for facilities which connect a Feature Group A Access Service to the CNT interoffice channel. These charges, where applicable, will be billed directly to the customer by the LEC.

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

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SECTION 15  
ORIGINAL PAGE 1

15. SONET SERVICES-INTEROFFICE

15.1 General

The CNT Private Line Interoffice Channel SONET Services provide for the transmission of various digital signals.

15.1.1. Description

These CNT Private Line Interoffice Channel SONET Services are configured by combining service components at designated CNT Central Offices. The CNT Central Offices may be within the same LATA or may be in different LATAs. CNT Private Line SONET Interoffice Channels are furnished on a two-point basis only.

15.1.2. Regulations

In addition to the Regulations in Section 2., preceding, the following apply.

- A. Availability - These Services are available from designated CNT central offices, and may not be available in every LATA.
- B. Connection to Other Services

Other access at various speeds may be connected to a designated CNT Central Office.

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SECTION 8 (1)

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SECTION 15  
ORIGINAL PAGE 2

15. SONET SERVICE-INTEROFFICE

15.1 General (Cont'd)

15.1.3. Notice of Discontinuance

The Notice of Discontinuance for all CNT Private Line SONET Service components is one month. Recurring charges will apply for a period of one month from the date CNT receives the discontinuance notice or until the requested discontinuance date, whichever period is longer. These charges will apply during this period whether or not the Customer continues to use the service.

15.1.4 Minimum Payment Period

The minimum payment period for a Local Channel Service or Access Coordination Function used for CNT Private Line SONET Service shall be 12 months.

15.1.5. Cancellation Charge

As specified within this tariff the cancellation charge for individual case basis orders canceled after the start of installation will be equal to an estimate of the net costs incurred in each installation not to exceed the charges for the minimum payment period.

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OCT 26 2003

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SECTION 9 (1)

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SECTION 15  
ORIGINAL PAGE 3

15. SONET SERVICE-INTEROFFICE

15.2. Service Components and Rates

The components of CNT Private Line SONET Service are Interoffice Channels and Office Connections.

15.2.1. Interoffice Channel

An Interoffice Channel is a channel between two designated CNT central offices, points of connection, or a combination thereof.

- A. Rates are as specified in the Price List.
- B. Termination Charge - A termination charge will apply if the customer terminates service prior to the end of the term specified.

15.2.2. Office Connections

A. Access Connection

An Access Connection provides the function, at a CNT central office, of connecting Ring Network Access Service or other access to an IOC. One access connection applies for each other access connected.

Refer to Price List.

Installation charges do not apply when the access connection is ordered for installation at the same time as an CNT Private Line SONET Service. The CNT Private Line SONET Service IOC must remain in service for at least 12 months. If the IOC is disconnected prior to the 12 months, the customer is liable for a termination charge equal to the installation charge for the access connection.

B. Function Connection

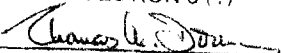
A function connection provides the function, at a CNT central office, of connecting an office function to an IOC, another office function, a CNT service, or of connecting an IOC to a CNT service as specified within this tariff.

Refer to Price List.

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OCT 26 2003

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SECTION 9 (1)

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SECTION 15  
ORIGINAL PAGE 4

15. SONET SERVICE-INTEROFFICE

15.2. Service Components and Rates (Cont'd)

15.2.3. Office Functions

SONET Multiplexing

The SONET multiplexing office function provides for the transmission of multiple digital signals configured in either a office multiplexing, hubbing, linear add/drop configuration or ring configuration, for which the Customer has designated the configuration.

Refer to Price List.

Channel Activation Option

This permits the Customer to designate various CNT Private Line SONET Service channels terminating in the interconnection of multiplexing office functions. An additional charge will apply, per termination, for three or more SONET Service terminations.

In addition, a non-recurring reconfiguration charge applies per each change to an activated channel.

Refer to Price List.

15.2.4 CNT Optical Carrier Levels

A. Optical Carrier Level 3 (OC3)

OC3 service provides for the transmission of 155.52 Mbps. OC3 Service is configured by combining service components at designated CNT central offices. Refer to Price List.

B. Optical Carrier Level 12 (OC12)

OC12 service provides for the transmission of 622.08 Mbps. Service is configured by combining service components at designated CNT Central Offices. Refer to Price List.

C. Optical Carrier Level 48 (OC48)

OC48 service provides for the transmission of 2.488 Gbps. Service is configured by combining service components at designated CNT Central Offices. Refer to Price List.

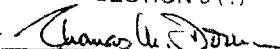
D. Optical Carrier Level 192 (OC192)

OC192 service provides for the transmission of 9.953 Gbps. Service is configured by combining service components at designated CNT Central Offices. Refer to Price List.

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OCT 26 2003

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SECTION 9 (1)

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SECTION 16  
ORIGINAL PAGE 1

16. SONET SERVICE-LOCAL CHANNEL

16.1 General

The CNT Private Line Local Channel SONET Services provide for the transmission of various digital signals.

16.1.1 Description

These CNT Private Line Local Channel SONET Services are configured by combining service components at designated CNT Central Offices. The CNT Central Offices may be within the same LATA or may be in different LATAs.

Local Channel Service used for CNT Private Line SONET Services is suitable for the transmission of voice, data or any other application required by the Customer which utilizes digital signals within the specified transmission parameters of the local channel.

Local Channel Service may be furnished (1) between a Customer's premises and a designated CNT Central Office or (2) solely as an Access Coordination Function.

All signals carried by local channels or other access and presented to the CNT Central Offices must meet certain signal and format constraints.

16.1.2 Regulations

In addition to the regulations in Section 2, preceding, the following apply.

A. Availability of a Local Channel Service

Local Channels used for CNT Private Line SONET Services may not be available in every LATA.

16.1.3 Minimum Payment Period

The minimum payment period for a Local Channel Service or Access Coordination Function used for CNT Private Line SONET Service shall be 12 months.

16.1.4 Cancellation Charge

As specified within this tariff the cancellation charge for individual case basis orders canceled after the start of installation will be equal to an estimate of the net costs incurred in each installation not to exceed the charges for the minimum payment period.

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OCT 26 2003

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SECTION 16  
ORIGINAL PAGE 2

16. SONET SERVICE-LOCAL CHANNEL

16.1 General (Cont'd)

16.1.5 CNT Optical Carrier Levels

A. Optical Carrier Level 3 (OC3)

OC3 service provides for the transmission of 155.52 Mbps. OC3 Service is configured by combining service components at designated CNT central offices. Refer to Price List.

B. Optical Carrier Level 12 (OC12)

OC12 service provides for the transmission of 622.08 Mbps. Service is configured by combining service components at designated CNT Central Offices. Refer to Price List.

C. Optical Carrier Level 48 (OC48)

OC48 service provides for the transmission of 2.488 Gbps. Service is configured by combining service components at designated CNT Central Offices. Refer to Price List.

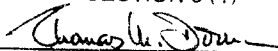
D. Optical Carrier Level 192 (OC192)

OC192 service provides for the transmission of 9.953 Gbps. Service is configured by combining service components at designated CNT Central Offices. Refer to Price List.

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OCT 26 2003

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SECTION 9 (1)

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SECTION 16  
ORIGINAL PAGE 3

16. SONET SERVICE-LOCAL CHANNEL

16.2. Local Channels (LC)

The rates for the local channel component of a Local Channel Service used for CNT Private Line SONET Services are established on an individual case basis (ICB), as specified in the Price List.

16.2.1 Access Coordination Function (ACF)

An Access Coordination Function is required for each local channel provided under this tariff or for each access channel provided by the Customer for which CNT provides access coordination. The rates are established on an individual case basis (ICB).

Refer to Price List.

16.2.2 Special Access Surcharge

(See Voice Grade Local Channel Services Section).

16.2.3 Channel Options

The following channel option(s) are available for use with Local Channel Services used for CNT Private Line SONET Services:

A. Special Routing

Local Channel Service is normally furnished using facilities selected by CNT. However, special routing options are available where the required components are available. If complete Special Routing is not available when ordered, or if it becomes unavailable at a later date due to network rearrangements, Special Routing may only be furnished on a partial basis. The Customer will be advised before partial Special Routing is provided and may cancel or discontinue the special routing if the partial Special Routing is not acceptable. No cancellation charge will apply in such case. The special routing option available for Local Channel Service is Local Channel Protection Capability.

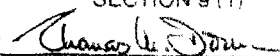
B. Local Channel Protection Capability

Local Channel Protection Capability (LCPC) provides two physically separate high capacity fiber optic local channels (primary and secondary) equipped with automatic restoration capability to provide backup in the event of a single facility break or an electronic failure. Local Channel Protection Capability is available between the Customer premises and the designated CNT central office, between the LEC serving wire center for the Customer premises and the designated CNT central office or between the Customer premises and the LEC serving wire center for that premises.

When facilities are not available, the Company may request special construction or plant to satisfy its requirements. When special construction is necessary, charges will be developed on an individual case basis.

OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

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SECTION 17  
ORIGINAL PAGE 1

17. CNT Regional Frame Relay Service

17.1 General

CNT Regional Frame Relay Service (RFRS) is a public data network offering which provides high speed, order-preserving transmission of frames between Regional Area Networks (LANs) or other high speed data communications equipment for distributed computing applications.

17.1.1 Description

RFRS is offered within LATA 922 in the State of Kentucky, where facilities and billing capabilities permit. Service is available for use 24 hours a day, seven days a week. Charges for additional CNT Frame Relay Services which may be used in conjunction with CNT Regional Frame Relay Service may be found in this tariff. The following CNT Frame Relay Service features are not available under this tariff for CNT Regional Frame Relay Service:

- Disaster Recovery Options
- Frame Relay Service Level Agreement
- Frame Relay Service Domestic Gateway Capability
- International Frame Relay Service
- CNT International End-to-End Frame Relay Service
- Frame Relay Volume Pricing Plan
- Digital Services Volume Pricing Plan

Regional Access Ports furnished under this tariff operate at transmission speeds of 56/64, 128, 256, 384, 512, 768 and 1544 kbps. The port speed defines the maximum rate that the Customer can transmit data to and receive data from the FRS network.

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SECTION 9 (1)

BY   
EXECUTIVE DIRECTOR

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CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

ISSUED:  
EFFECTIVE:  
BY: Gregory Barnum - Vice President

SECTION 17  
ORIGINAL PAGE 2

17. CNT Regional Frame Relay Service

17.1 General--(Cont'd)

17.1.2 Regulations

A. Responsibilities of the Customer

The Customer must provide the following additional information to the Company when ordering RFRS:

- The number and location of the Ports ordered,
- The initial set of software functions for each Port per Technical Publication No. TR 50052,
- The transmission speed of each Port,
- The CIR of each PVC, The Port origination and destination of each PVC CIR, and Requirements for Regional and Global addressing for PVC Link Connection Identifiers (DLCI) per Technical Publication No. TR 50052, for transmission through FRS.

B. Notice of Discontinuance

The Notice of Discontinuance for RFRS components in service is 15 days. Recurring charges apply for a period of 15 days from the date the Company receives the Notice of Discontinuance or until the requested discontinuance date, whichever is later.

The charges will continue to apply whether or not the Customer continues to use the RFRS components. Orders involving the discontinuance of RFRS components may be delayed or withdrawn, without charge, at any time prior to the discontinuance date. A Notice of Discontinuance cannot be withdrawn or delayed on the Due Date for discontinuance.

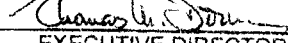
C. Cancellation, Delay or Change of an Order

The regulations set forth in this section apply for the cancellation, delay or change of an order for RFRS components. These regulations are in lieu of those specified in within this tariff. When an order is placed for installation of a Regional Access Port or Regional PVC, or for a change to a Regional Access Port's speed or to a Regional PVC CIR, a Due Date for that order will be established by the Company. Such Due Date will be confirmed with the Customer. In the Event that such Due Date is delayed, the provisions specified in Section E. or F. following will apply.

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OCT 26 2003

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SECTION 9 (1)

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SECTION 17  
ORIGINAL PAGE 3

17. CNT Regional Frame Relay Service

17.1 General--(Cont'd)

17.1.2 Regulations (Cont'd)

D. Cancellation of an Order

A Customer may cancel an order for the installation or change of RFRS any time prior to the Due Date. An order cannot be canceled on the Due Date. An order is considered to have been canceled when the Company receives a notification of cancellation from the Customer. Such notification may not be retroactive. There is no cancellation charge if the notification of cancellation is received by the Company 30 calendar days or more prior to the initial Due Date. If the notification of cancellation is received by the Company less than 30 calendar days prior to the initial Due Date, the following cancellation charges will apply as specified in the Price List.

E. Delay of Due Date by Company

The company will make every reasonable effort to assure that the service ordered is furnished on the Due Date. However, in some cases a delay in the Due Date may be unavoidable. If the Company delays a Due Date for less than six (6) cumulative calendar days from the initial Due Date, not counting any delays requested or caused by the Customer, the Customer may either: (a) cancel the delayed order at no charge, or (b) after the installation or change is completed, the Company will credit the Customer's bill in an amount equal to 50% of one month's Monthly Charge (less applicable discount) for each delayed Regional Access Port or Regional PVC.

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SECTION 9 (1)

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SECTION 17  
ORIGINAL PAGE 4

17. CNT Regional Frame Relay Service

17.1 General--(Cont'd)

17.1.2 Regulations (Cont'd)

F. Delay of Due Date by the Customer

A Customer may delay an order for the installation or change of RFRS components at any time prior to the Due Date.

However,

1. If a Customer delays an order within the three (3) calendar days immediately prior to the Due Date, a Due Date Change Charge will apply as specified in the Price List, regardless of the length of delay.
2. If a Customer delays a Due Date by more than twenty (20) cumulative calendar days from the initial Due date, the Customer may either: (a) accept billing for the service ordered commencing on the first day after the 20th cumulative calendar day, or (b) cancel the order and pay the applicable cancellation charge as set forth within this tariff.
3. If a Customer is not ready on the Due Date and has not requested a delay prior to the Due Date, the service ordered will commence on the Due Date.

G. Change of an Order

When a Customer changes the speed of a Regional Access Port or Regional PVC before the Due Date, such a change is considered to be a design change, not a cancellation of an order. No design change charges apply for RFRS. However, if the Customer requests a Regional Access Port speed change from 56 kbps to a higher Regional Access Port speed, less than twenty (20) calendar days prior to the Due Date, a new Due Date will be established by the Company. Such new Due Date will be confirmed with the Customer.

H. Expedite of an Order

At the Customer's request, the Company will attempt to advance the Due Date of an order to the installation of a Regional Access Port to a new negotiated Due Date. If the new date is met, the following Nonrecurring Charge applies as specified in the Price List.

I. Minimum Payment Period

There is no minimum payment period for RFRS.

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SECTION 9 (1)

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SECTION 17  
ORIGINAL PAGE 5

17. CNT Regional Frame Relay Service

17.1 General--(Cont'd)

17.1.3 Provision of Access Lines

Regional Access Ports are available for connection to Regional PVCs within the same LATA. Regional Access Ports include a digital access line from the Customer Premises to a designated CNT Central Office providing RFRS within that LATA. Equivalent digital access lines provided by the Customer, in lieu of the access lines provided by CNT, may be connected to Regional Access.

Ports, however all nonrecurring and monthly charges for Regional Access Ports as specified within this tariff will apply.

Digital access lines connected to a Regional Access Port cannot connect to a Domestic Port or Global Port, provided in CNT's Business Services Guide.

17.1.4 Credit Allowances for Interruptions

RFRS Credit Allowances for Interruptions are based on Regional PVC charges. If a Regional PVC is interrupted for 30 minutes or more, a Credit Allowance based on the Regional PVC Monthly Charge will be made for the interrupted Regional PVC as set forth within this tariff. The following provisions are in lieu of those specified within this tariff Regional PVCs are eligible for a credit allowance for interruptions only if the Regional PVCs which were interrupted are not entitled to any other credit for interruptions in lieu of, or in addition, to credit allowances as specified herein.

Calculation of Credit Allowance is as follows:

Calculate the Regional PVC Daily Charge by dividing the Regional PVC Monthly Charge (less any applicable discount) by 30 days.

Determine the Interruption Period to be Credited based upon the actual length of interruption using the Calculation Table within this tariff

Multiply the Regional PVC Daily Charge by the Interruption Period to be Credited to determine the Credit Allowance.

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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

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SECTION 17  
ORIGINAL PAGE 6

17. CNT Regional Frame Relay Service

17.1 General-(Cont'd)

17.1.5 Availability

Regional FRS is available at CNT Central Offices within LATA 438 and within LATA 472 which provide T1.5 Service or CIDSS as listed in CNT's Business Services Guide.

17.1.6 Regional FRS Components and Rates

The charges for Regional FRS consist of Non-Recurring Charges and Monthly Charges for Regional Access Ports and Regional PVCs.

A. Regional Access Port

Provides connection capability within and between any of the LATAs specified within this tariff in the State of Kentucky. Regional Access Ports connect to Regional PVCs as specified within this tariff. A Regional Access Port can connect within the same LATA to a Domestic Port, Global Port or a Regional Access Port via a IntraLATA PVC. A Regional Access Port can connect to a Regional Access Port in another LATA, as specified within this tariff, in the State of Kentucky via an InterLATA PVC.

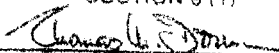
B. Regional Access Port Change Charges

1. A customer can request to increase or decrease a port speed or change a Domestic Port to a Regional Access Port or change a Global Port to a Regional Access Port at any time after the service date for the Regional Access Port. A Regional Access Port Change Charge will apply for each change, as specified in the Price List.
2. A change of the physical location of a Customer's Premises that requires a change to an existing Regional Access Port connection, is considered to be a discontinuance and re-installation of the Regional Access Ports involved. Discontinuance provisions will apply as specified within this tariff. Installation Charges for the Regional Access Ports will apply as specified within this tariff. A change of the physical location of a Customer's Premises that does not require a change to an existing Regional Access Port connection is considered a change and the Regional Access Port Change Charge in 1. above will apply.

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SECTION 9 (1)

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SECTION 17  
ORIGINAL PAGE 7

17. CNT Regional Frame Relay Service

17.1 General--(Cont'd)

17.1.6 Regional FRS Components and Rates (cont'd)

C. Regional Access Charges

Installation Charges and Monthly Recurring Charges apply for each Regional Access Port as specified in the Regional Access Port Charges Table. A Port Interconnection Monthly Charge applies for each Regional Access Port on which An InterLATA PVC or Domestic PVC terminates. The Port Interconnection Monthly Charge is in addition to the Regional Access Port Monthly Charge. Refer to Price List.

17.1.7 Regional PVCs

A. Regional PVCs are defined as follows:

Regional PVCs are provided solely in a two-way configuration. Regional PVCs must connect to at least one Regional Access Port. Domestic and Global Ports are available as specified within this tariff. A two-way PVC transmits and receives simultaneously.

B. Regional PVC CIR Change Charge

1. A Customer can request to increase or decrease a Regional PVC CIR at any time after the service date for that Regional PVC. A PVC CIR Change Charge will apply for each change to a Regional PVC CIR, as specified in the Price List.
2. A change of the physical location of the Customer's premises that requires a change to an existing Regional Access Port connection, requires discontinuance and re-installation of the Regional PVCs involved.

Discontinuance provisions will apply as specified within this tariff. Installation Charges for Regional PVCs will apply as specified within this tariff.

C. Regional PVC Installation Charges

Installation Charges apply for the installation of each Regional PVC, as specified in the Price List.

D. Recurring Charges

Monthly Recurring Charges apply for each Regional IntraLATA PVC and Regional InterLATA PVC as specified in the Regional PVC Charges Table. Refer to Price List.

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PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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SECTION 18  
ORIGINAL PAGE 1

18. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

18.1 General

This section contains miscellaneous functions and arrangements that are provided for use with private line services offered under this tariff.

18.1.1 Regulations

In addition to the regulations in Section 2, preceding, the following applies.

A. Minimum Payment Period

Unless otherwise specified for an individual case, miscellaneous functions and arrangements are furnished for the same minimum payment period as that specified for the associated private line service.

18.2 Interoffice Services-Multiservice Office Functions

18.2.1 1 X N Control Arrangement

This arrangement enables the customer to control up to 48 switching or transfer functions (e.g., switching or transfer arrangements to connect Voice Grade Services), at a designated CNT central office via a remote keyboard terminal capable of either 300 or 1200 bps operation.

The Control Arrangement must be located in the same CNT central office as the switching or transfer functions which it controls.

Access to the 1 X N Control Arrangement requires an appropriate channel.

Refer to Price List.

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OCT 26 2003

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SECTION 9 (1)

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PRIVATE LINE SERVICES TARIFF

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SECTION 18  
ORIGINAL PAGE 2

18. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

18.3 Standard Jacks

Registration Program for Use with Local Channel Services Standard jacks are services subject to the Registration Program. These jacks are contained in Part 68 of the FCC's Rules and Regulations or the document on file with the FCC entitled "Descriptions of Standard Registration Program Connection Configurations Supplementing Configurations Described in Subpart F of Part 68 of the FCC's Rules and Regulations."

These arrangements are used to terminate local channel services provided by CNT. Other services provided by CNT or services provided by others may also be terminated in any spare capacity of a jack that remains after its installation. No additional charge applies for the use of such capacity.

The standard jacks and their typical usages are described below.

A. Miniature 6 Position Jacks for connection of terminal equipment.

Refer to Price List.

B. 50 Position Miniature Ribbon for connection of multiline terminating equipment and channel derivation devices.

Refer to Price List.

C. Series Jacks for connection of terminal equipment.

Refer to Price List.

D. Weatherproof Jack for use with single line telephone sets used at locations such as boats and marinas.

Refer to Price List.

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EFFECTIVE

OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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CORPORATION  
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SECTION 18  
ORIGINAL PAGE 3

18. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

18.3 Standard Jacks (Cont'd)

18.3.1 Standard Data Jacks

- A. Universal Data Jack for use in connecting fixed loss loop and programmed types of data equipment (1 line capacity).

Refer to Price List.

- B. Programmed Data Jack for use in connecting programmed data equipment. (1 line capacity)

Refer to Price List.

- C. Multiple Line Universal Data Jack for use in connecting fixed loss loop and programmed types of data equipment. This jack will terminate up to eight lines. The selection of this jack requires the use of the equipment listed in 1. and 2. below.

Refer to Price List.

1. Multiple Line Universal Data Jack Local Channel Cards. For use with (see C. above). One card per local channel required.

Refer to Price List.

2. Multiple Line Universal Data Jack Mounting options. For use with the (see C. above). One required per.

Refer to Price List.

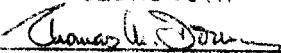
- D. Non-Standard Jacks.

Refer to Price List.

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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

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PRIVATE LINE SERVICES TARIFF

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SECTION 19  
ORIGINAL PAGE 1

19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

19.1 General

This section contains the rates and regulations for additional administrative and operational functions that are available in connection with the installation, operation and maintenance of a private line service. The additional functions will be provided only when specifically ordered or requested by a customer. All of the additional administrative and operational functions are subject to the availability of personnel and equipment. In furnishing these functions, CNT does not assume any additional responsibility for the through transmission of signals beyond that set forth in 2 preceding.

19.2 Testing Functions

At the customer's request, CNT will review test results and participate with the customer in a design review, technical analysis, or testing.

19.2.1 Review of Test Results-IOC

The rates for Review of Test Results for an Interoffice Channel are as specified in the Price List.

19.2.2 Review of Test Results-Local Channel

Rates for Review of Test Results for local channels are as specified in the Price List.

19.2.3 Special Participative Design Review, Technical Analysis and Testing.

Refer to Price List.

19.2.4 Customer Directed Participative Testing

At the customer's request, CNT will participate in the testing of an assembly, when tests are directed by the customer.

A. Assembly Testing-Per IOC Per Person

Refer to Price List.

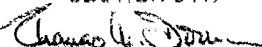
B. Bill Testing-Per IOC Service

Refer to Price List.

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OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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SECTION 19  
ORIGINAL PAGE 2

19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

19.3 Additional Installation/Maintenance Functions

CNT will provide the following additional installation/maintenance functions for a private line service when ordered by the customer.

19.3.1 Overtime Installation

Installation activities performed at times which require premium payment to installation personnel.

19.3.2 Stand-By

Refers to retention, at the customer's request, of installation/maintenance personnel at the designated CNT central office or customer premises after completion of normal testing appropriate to the installation or repair of the private line service being provided. In such cases additional Installation/Maintenance charges apply for all time in excess of half hour.

19.3.3 Rates are as specified in the Price List.

19.4 Additional Engineering Functions

19.4.1 Additional Engineering of Interoffice Services charges are as specified in the Price List.

19.4.2 Refer to Price List for Additional Engineering – Local Channel rates.

19.5 Maintenance of Service Charge

The customer is responsible for the payment of a Maintenance of Service Charge when:

a trouble condition exists and customer equipment, a customer provided communications system, or facilities provided by the customer or user is connected to the local channel service, and

when requested by the customer, maintenance personnel visit the customer's premises, and

as a result of that visit, the proper functioning of the local channel service is confirmed (i.e., the cause of the trouble condition was other than a malfunction of an CNT-provided private line service).

Refer to Price List.

In addition, a Stand By Charge applies if the customer requests a maintenance person remain at the customer's premises to perform additional coordinated testing and no trouble exists on the local channel (see Additional Installation/Maintenance Functions, within the Kentucky Public Service Commission).

No charge will apply, if at a later time the trouble condition is actually determined to be a malfunction of an CNT-provided private line service.

OCT 26 2003

PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)

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CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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SECTION 19  
ORIGINAL PAGE 3

19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

19.6 Telecommunications Service Priority (TSP)

19.6.1 Interoffice Channels

CNT will arrange a private line service for TSP provisioning and/or restoration priority on receipt of certification in conformance with Part 64, Subpart D, Appendix A, of the FCC's Rules and Regulations.

- A. When an order for a TSP provisioning priority is received, a charge applies, as specified in the Price List.
- B. When an order for TSP restoration priority is received, a charge applies, as specified in the Price List.
- C. When an order for a TSP restoration priority level change is received, a charge applies, as specified in the Price List.
- D. When special construction is necessary, the provisions and charges as set forth within this tariff will also apply.

19.6.2 Local Channels

CNT will arrange a local channel service for provisioning and/or restoration priority on receipt of certification in conformance with Part 64, Subpart D, Appendix A, of the FCC's Rules and Regulations. The applicable rates are as set forth herein.

- A. When an order for a TSP provisioning priority is received, a charge as specified in the Price List applies per local channel.
- B. When an order for TSP restoration priority is received, a charge as specified in the Price List applies per local channel.
- C. When an order for a TSP restoration priority level change is received, a charge as specified in the Price List applies per local channel.
- D. When Special Construction is necessary, the provisions and charges set forth within this tariff will also apply.

19.7 Design Change Charge

A Design Change Charge applies, as specified in the Price List, each time a customer requests a change of an order that results in a change in the design, operation, or function of the interoffice private line service ordered. A design change charge also applies each time a customer requests a change of (1) the point of local channel termination on a premises, (2) the local channel interface(s), or (3) the local channel options on an order for a local channel service before the service date. The Design Change Charge applies when a change in an order occurs after installation has started but prior to the due date.

PUBLIC SERVICE COMMISSION  
OF KENTUCKY  
OCT 26 2003  
PURSUANT TO 807 KAR 5:011  
SECTION 9 (1)  
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EXECUTIVE DIRECTOR



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CORPORATION  
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SECTION 19  
ORIGINAL PAGE 4

19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

19.8 Provision of a Design Layout Report

The customer may order the design information pertaining to a private line service. This information is provided in a report referred to as a Design Layout Report. Design Layout Reports can only be provided on services ordered after the effective date of this tariff. A charge applies for the provision of the Design Layout Report.

19.8.1 Charges

A. Design Layout Report Charge

Refer to Price List.

B. Administrative Charge

When the Design Layout Report is ordered subsequent to an order to install or rearrange the service, an additional Administrative Charge applies for each order as specified in the Price List.

19.9 Due Date Change Charge

A. Delay of a Due Date by the Customer

A Customer may delay the due date of an order involving the installation, move or rearrangement of a local channel service component when:

The provisions of Delay of a Due Date by CNT, set forth following, are not applicable and the Customer's request for the delay is received by CNT prior to the order's due date, and

The total delay measured from the order's initial due date does not exceed 30 cumulative calendar days.

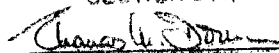
When a Customer delays the due date of an order, the Due Date Change Charge will apply. Refer to the Price List.

Orders involving the discontinuance of a local channel service component are specified in the specific service section of this tariff. There will be no maximum delay period for these orders. The Due Date Change Charge does not apply to orders involving the discontinuance of service. For more a more detailed explanation refer to Section 2. For applicable rates and charges refer to the Price List.

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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

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CORPORATION  
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PRIVATE LINE SERVICES TARIFF

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SECTION 19  
ORIGINAL PAGE 5

19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

19.9 Due Date Change Charge (Cont'd)

B. Delay of a Due Date by CNT

CNT will make every reasonable effort to assure that the local channel service component ordered is furnished on the due date. However, in some cases a delay in the installation may be unavoidable. If an order is delayed beyond its due date for more than 30 cumulative calendar days and such delay is not requested or caused by the Customer, the Customer may cancel the order without cancellation charges applying.

C. Expedite (Advance of a Due Date)

A customer's request for an advancement in the due date of an order will be accepted by CNT when the request can be accommodated without delaying orders of other customers. An Expedite Charge applies each time the Customer requests the due date for a local channel service or component advanced from the CNT established due date of an order. Refer to the Price List for Expedite Charge (Advance of a Due Date).

PUBLIC SERVICE COMMISSION  
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OCT 26 2003

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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SECTION 20  
ORIGINAL PAGE 1

20. Billing Contents

Computer Network Technology Corporation  
6000 Nathan Lane North  
Minneapolis, MN 55442  
(800) 752-8061

SAMPLE INVOICE:

**CNT**

Page No: 1  
Invoice No 31004515  
Cust. No. 53283

INVOICE

**Sold To:** EDS  
5400 LEGACY DRIVE  
H4-2C-05  
Plano TX

**Ship To:** NEXTEL COMMUNICATIONS  
5295 BROOK HOLLOW PARKWAY  
SUITE 105  
NORCROSS GA 30017

Tax ID:

**Inv Date** 3/4/2003 **Customer P.O.** CCT0007054 **F.O.B.** FCA-CNT DOCK

Line No	Item Number	Description	S/N	UM	Quantity	Extended Price
---------	-------------	-------------	-----	----	----------	----------------

15.000	T1001	TELCO DS3 LINE	2203008701	EA	1	18,327.03
MARCH 1-19-2003						

21.000	RENT	MONTHLY RENTAL FEE		EA	1	3,814.25
MARCH 1-19-2003 CISCO ROUTER AND MAINTENANCE						

**\*\*Remit Payment To:** CNT  
SDS 12-0609, PO BOX 86  
MINNEAPOLIS MN 55486-0609

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PLEASE DIRECT INQUIRES TO ACCOUNTS RECEIVABLE (763) 268-6799 OR (763) 268-6123

**TOTAL TAX:**  
**TOTAL AMOUNT DUE: 22,141.25 USD**

**Terms** Net 30 days **Net Due Date** 4/3/2003

OCT 26 2003

Order No: 22030087 Type: SE F.E.I.N. 41-1356476

PURSUANT TO 807 KAR 5.011  
SECTION 9 (1)

BY   
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
STATE OF KENTUCKY  
PRIVATE LINE SERVICES TARIFF

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BY: Gregory Barnum - Vice President

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7. T1.5 SERVICES-INTEROFFICE

Cancellation Charge

Cancellation Charge Schedule - T1.5

COMPONENT	APP	SID	DLRD	RID	WOT	CTA	DD
INTEROFFICE CHANNEL (IOC)	\$0	\$632.50	\$632.50	\$957	\$1113.20	\$1468.50	\$1606
OFFICE CONNECTION (OC)	\$0	\$234.30	\$234.30	\$304.70	\$374	\$409.20	\$440

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for an order involving an IOC and two office connections that is canceled after the SID but prior to the DLRD, cancellation charges listed under the "SID" column for the IOC and each of the two office connections apply.

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PURSUANT TO 807 KAR 5.011  
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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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7. T1.5 SERVICES-INTEROFFICE

Interoffice Channel (IOC)

A. Monthly Rates

MILEAGE BAND	FIXED	PER MILE
1-50	\$440.00	\$9.90
51-100	440.00	9.90
101+	440.00	9.90

B. Discounted Fixed Rate Plans

Discounted Fixed Rate Plans are available as alternatives to conventional monthly rates.

Minimum Term Discounts

1 year	17%
2 year	19%
3 year	22%
4 year	26%
5 year	31%

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EXECUTIVE DIRECTOR

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7. T1.5 SERVICES-INTEROFFICE

Office Connections

A. Access Connection

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
Per connection	\$110.00	\$374.00

B. Function Connection

	<u>INSTALLATION CHARGE</u>
Per connection	\$374.00

Channel Options

A. Enhanced Diversity Routing

	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
Per each IOC in each Relationship pair	\$82.50	\$220.80

B. Clear Channel Capability

	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
Per IOC	\$0.00	\$0.00

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EXECUTIVE DIRECTOR

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7. T1.5 SERVICES-INTEROFFICE

Office Functions

A. Transfer Arrangement

	<u>MONTHLY</u>
Per Transfer Arrangement	\$343.20

B. DS1 Switch Port

	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
Per DS1 Switch Port	ICB	ICB

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COMPUTER NETWORK TECHNOLOGY  
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7. T1.5 SERVICES-INTEROFFICE

Office Functions

C. Access Protection Capability

	<u>MONTHLY</u>
Per Access Protection Capability	\$374.00

D. Network Protection Capability (NPC)

	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
Per protected channel	ICB	ICB

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EXECUTIVE DIRECTOR



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8. 1.544 Mbps LOCAL CHANNEL SERVICES

Cancellation Charge

Cancellation Charge Schedule - 1.544 Mbps Local Channel Services

COMPONENT	APP	CRITICAL DATES					
		SID	DLRD	RID	WOT	CTA	DD
Access Coordination Function	\$0	\$143	\$159.50	\$275	\$291.50	\$385	\$429
Local Channel (see Note)	0%	0%	19%	26%	59%	100%	100%

Note: The percentages indicated are applied against the installation charge for each local channel involved.

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for an order which is canceled after the DLRD but prior to the RID, a charge as listed under DLRD column will apply for each access coordination function. In addition, if a local channel has been ordered, a charge equal to the installation charge for each local channel multiplied by the % indicated in DLRD column will also apply.

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8. 1.544 Mbps LOCAL CHANNEL SERVICES

Local Channels

CNT will provide 1.544 Mbps Local Channels on an individual case basis at rates based on the price for such local channels as established by Local Exchange Company tariffs. These rates will include recurring and nonrecurring charges and may include termination charges.

<u>MILEAGE BAND</u>	<u>MONTHLY RECURRING</u>		<u>INSTALLATION</u>
	<u>FIXED</u>	<u>PER MILE</u>	
0	ICB	ICB	ICB
1-4	ICB	ICB	ICB
5-8	ICB	ICB	ICB
9-25	ICB	ICB	ICB
26+	ICB	ICB	ICB

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EXECUTIVE DIRECTOR

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ORIGINAL PAGE 8

8. 1.544 Mbps LOCAL CHANNEL SERVICES

Access Coordination Function

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
Per Function	\$44.00	\$236.50

Special Access Surcharge

Per equivalent local channel termination

	<u>MONTHLY</u>
Where applicable, each	\$38.78
Where not applicable, each	N/A

Customer Access Selection Charge (CASC)

	<u>MONTHLY CHARGE</u>
Customer Access Selection Charge	ICB

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ORIGINAL PAGE 9

9. T45 SERVICES-INTEROFFICE

Interoffice Channel (IOC)

MILEAGE BAND	FIXED	PER MILE
1-50	ICB	ICB
51-100	ICB	ICB
101-200	ICB	ICB
201+	ICB	ICB

Office Connections

A. Access Connection

	<u>MONTHLY CHARGES</u>	<u>INSTALLATION CHARGE</u>
Per connection	ICB	ICB

B. Function Connection

	<u>INSTALLATION CHARGE</u>
Per connection	ICB

Channel Options

	<u>MONTHLY CHARGES</u>	<u>INSTALLATION CHARGE</u>
Per each IOC in each Relationship Pair	ICB	ICB

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PURSUANT TO 807 KAR 5-011  
SECTION 8 (1)

BY Charles L. Barnum  
EXECUTIVE DIRECTOR

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9. T45 SERVICES-INTEROFFICE

Office Functions

A. Network Protection Capability (NPC)

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
Per IOC	ICB	ICB

B. Access Protection Capability

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
Per Access Protection Capability Office Function	ICB	ICB

C. Switch Port

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
Per DS3 Switch Port	ICB	ICB

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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10. T45 MBPS LOCAL CHANNEL SERVICES

Local Channels

The rates for the local channel component of a T45 Mbps Local Channel Service are established on an individual case basis.

Rates Per Local Channel

<u>MONTHLY</u>		<u>NONRECURRING</u>
<u>FIXED</u>	<u>PER MILE</u>	
ICB	ICB	ICB

Access Coordination Function (ACF)

	<u>Monthly Rate</u>	<u>Installation Charge</u>
	ICB	ICB
Per Access Coordination Function		

Special Access Surcharge

	<u>Monthly</u>
	ICB
where applicable, per Customer termination each	

Customer Access Selection Charge (CASC)

	<u>MONTHLY CHARGE</u>
	ICB
Customer Access Selection Charge CASSS	

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11. ASYNCHRONOUS TRANSFER MODE

Interoffice Channel

<u>Monthly Charge</u>	<u>Installation Charge</u>
ICB	ICB

Local Channels

<u>Monthly Charge</u>	<u>Installation Charge</u>
ICB	ICB

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EXECUTIVE DIRECTOR

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12. RESERVED FOR FUTURE USE

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SECTION 9 (1)

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EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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STATE OF KENTUCKY  
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14. VOICE GRADE LOCAL CHANNEL SERVICES

Cancellation Charge

Cancellation Charge Schedule - Voice Grade

		CRITICAL DATES					
COMPONENT	APP	SID	DLRD	RID	WOT	CTA	DD
Access Coordination Function	0	\$38.50	\$77	\$88	\$93.50	\$110	\$110
Local Channels, Bridged Channels and Interbridge Channels (see Note)	0	0%	17%	23%	54%	100%	100%

Note: The percentages indicated are applied against the minimum payment period recurring charge for each local channel, bridged channel, and interbridge channel involved.

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for an order which is canceled after the DLRD but prior to the RID, a charge for each access coordination function, and each local channel, bridged channel and interbridged channel as indicated under the column entitled "DLRD" will apply. Where a percentage is indicated, that percentage is applied to the minimum payment period recurring charge for the cost of the channel.

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BY Charles L. Dore  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
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STATE OF KENTUCKY  
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ORIGINAL PAGE 16

**14. VOICE GRADE LOCAL CHANNEL SERVICES**

Local Channels

The rates for local channels apply for two-point only.

InterLATA:

Schedule 1 (BELL)

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$66.00	\$0.00	\$220.00
	1-4	104.50	2.31	220.00
	5-8	104.50	2.31	220.00
	9-25	104.50	2.31	220.00
	26+	104.50	2.31	220.00
2-way	0	110.00	0.00	220.00
	1-4	143.00	2.31	220.00
	5-8	143.00	2.31	220.00
	9-25	143.00	2.31	220.00
	26+	143.00	2.31	220.00

Schedule 2 (OTHER)

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$77.00	\$0.00	\$220.00
	1-4	121.00	3.85	220.00
	1-8	121.00	3.85	220.00
	9-25	121.00	3.85	220.00
	26+	121.00	3.85	220.00
2-way	0	121.00	0.00	220.00
	1-4	137.50	3.85	220.00
	1-8	137.50	3.85	220.00
	9-25	137.50	3.85	220.00
	26+	137.50	3.85	220.00

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PURSUANT TO 807 KAR 5:011  
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BY Thomas L. Dorn  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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ORIGINAL PAGE 16

14. VOICE GRADE LOCAL CHANNEL SERVICES

Local Channels (Cont'd)

IntraLATA

Schedule 1 (BELL)

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$66.00	\$0.00	\$220.00
	1-4	104.50	2.31	220.00
	5-8	104.50	2.31	220.00
	9-25	104.50	2.31	220.00
	26+	104.50	2.31	220.00
2-way	0	57.48	0.00	220.00
	1-4	88.83	2.20	220.00
	5-8	88.83	2.20	220.00
	9-25	88.83	2.20	220.00
	26+	88.83	2.20	220.00

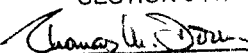
Schedule 2 (OTHER)

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$77.00	\$0.00	\$220.00
	1-4	121.00	3.85	220.00
	1-8	121.00	3.85	220.00
	9-25	121.00	3.85	220.00
	26+	121.00	3.85	220.00
2-way	0	47.03	0.00	220.00
	1-4	73.15	3.66	220.00
	1-8	73.15	3.66	220.00
	9-25	73.15	3.66	220.00
	26+	73.15	3.66	220.00

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14. VOICE GRADE LOCAL CHANNEL SERVICES

Bridged Channels

The rates for bridged channels apply on LEC bridged multipoint local channel services only and apply for the channel between a LEC bridge and an CNT central office or customer's premises.

LEC Bridge To CNT Central Office:

Schedule 1 (BELL)

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$49.50	\$0.00	\$00.00
	1-4	77.00	2.31	00.00
	5-8	77.00	2.31	00.00
	9-25	77.00	2.31	00.00
	26+	77.00	2.31	00.00
2-way	0	60.50	0.00	00.00
	1-4	93.50	2.31	00.00
	5-8	93.50	2.31	00.00
	9-25	93.50	2.31	00.00
	26+	93.50	2.31	00.00

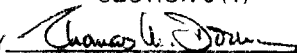
Schedule 2 (OTHER)

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$60.50	\$0.00	\$00.00
	1-4	88.00	3.85	00.00
	1-8	88.00	3.85	00.00
	9-25	88.00	3.85	00.00
	26+	88.00	3.85	00.00
2-way	0	60.50	0.00	00.00
	1-4	88.00	3.85	00.00
	1-8	88.00	3.85	00.00
	9-25	88.00	3.85	00.00
	26+	88.00	3.85	00.00

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COMPUTER NETWORK TECHNOLOGY  
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**14. VOICE GRADE LOCAL CHANNEL SERVICES**

Bridged Channels (Cont'd)

LEC Bridge To Customer Premises:

Schedule 1 (BELL)

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$49.50	\$0.00	\$110.00
	1-4	77.00	2.31	110.00
	5-8	77.00	2.31	110.00
	9-25	77.00	2.31	110.00
	26+	77.00	2.31	110.00
2-way	0	60.50	0.00	110.00
	1-4	93.50	2.31	110.00
	5-8	93.50	2.31	110.00
	9-25	93.50	2.31	110.00
	26+	93.50	2.31	110.00

Schedule 2 (OTHER)

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$49.50	\$0.00	\$110.00
	1-4	77.00	3.85	110.00
	1-8	77.00	3.85	110.00
	9-25	77.00	3.85	110.00
	26+	77.00	3.85	110.00
2-way	0	49.50	0.00	110.00
	1-4	77.00	3.85	110.00
	1-8	77.00	3.85	110.00
	9-25	77.00	3.85	110.00
	26+	77.00	3.85	110.00

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OCT 26 2009

PURSUANT TO 807 KAR 5:011  
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BY Charles L. Barnum  
EXECUTIVE DIRECTOR

COMPUTER NETWORK TECHNOLOGY  
CORPORATION  
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**14. VOICE GRADE LOCAL CHANNEL SERVICES**

**Interbridge Channels**

The rates for interbridge channels apply on LEC bridged multipoint local channel services only and apply for the channel connecting two LEC bridges.

**Schedule 1 (BELL)**

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$11.00	\$0.00	\$00.00
	1-4	38.50	2.31	00.00
	5-8	38.50	2.31	00.00
	9-25	38.50	2.31	00.00
	26+	38.50	2.31	00.00
2-way	0	11.00	0.00	00.00
	1-4	38.50	2.31	00.00
	5-8	38.50	2.31	00.00
	9-25	38.50	2.31	00.00
	26+	38.50	2.31	00.00

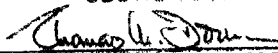
**Schedule 2 (OTHER)**

	MILEAGE BAND	MONTHLY		INSTALLATION CHARGE
		FIXED RATE	PER MILE RATE	
1-way	0	\$22.00	\$0.00	\$00.00
	1-4	49.50	3.85	00.00
	1-8	49.50	3.85	00.00
	9-25	49.50	3.85	00.00
	26+	49.50	3.85	00.00
2-way	0	22.00	0.00	00.00
	1-4	49.50	3.85	00.00
	1-8	49.50	3.85	00.00
	9-25	49.50	3.85	00.00
	26+	49.50	3.85	00.00

PUBLIC SERVICE COMMISSION  
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ORIGINAL PAGE 20

14. VOICE GRADE LOCAL CHANNEL SERVICES

Access Coordination Function

	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
Per access coordination function	\$16.50	\$163.90

Special Access Surcharge

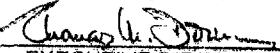
Rates per equivalent local channel termination

	<u>MONTHLY</u>
Where applicable, each	\$38.78
Where not applicable, each	N/A

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ORIGINAL PAGE 21

14. VOICE GRADE LOCAL CHANNEL SERVICES

Channel Options

A. Conditioning

1. C-Type Conditioning

	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>	
		<u>INITIAL</u>	<u>SUBSEQUENT</u>
Option 1	\$4.40	\$49.50	\$108.35
Option 2	\$4.40	\$49.50	\$108.35

2. D-Type Conditioning

	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>	
		<u>INITIAL</u>	<u>SUBSEQUENT</u>
	\$1.65	\$258.50	\$258.50

B. Signaling

<u>TYPE</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
All	\$19.80	NONE

C. Special Routing

	<u>CHARGE</u>
Diversity	ICB
Avoidance	ICB
Diversity and Avoidance	ICB
Cable-Only	ICB

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15. SONET SERVICE-INTEROFFICE

Interoffice Channel -

	<u>MONTHLY CHARGE</u>
- per OC3	ICB
- per OC12	ICB
- per OC48	ICB
- per OC192	ICB

Office Connections -

A. Access Connection-

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
- per OC3 connection	ICB	ICB
- per OC12 connection	ICB	ICB
- per OC48 connection	ICB	ICB
- per OC192 connection	ICB	ICB

B. Function Connection

	<u>INSTALLATION CHARGE</u>
- per OC3 connection	ICB
- per OC12 connection	ICB
- per OC48 connection	ICB
- per OC192 connection	ICB

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ORIGINAL PAGE 23

15. SONET SERVICE-INTEROFFICE

Office Functions

SONET Multiplexing

	<u>MONTHLY CHARGE</u>
- per SONET Multiplexing office function	ICB

Channel Activation Option -

	<u>SPEED</u>	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE*</u>
- per activated port	DS1	ICB	ICB
	DS3	ICB	ICB
	OC3	ICB	ICB
	OC12	ICB	ICB
	OC48	ICB	ICB
	OC192	ICB	ICB

	<u>SPEED</u>	<u>INSTALLATION CHARGE</u>
- Reconfiguration	DS1	ICB
Charge per Activated	DS3	ICB
port	OC3	ICB
	OC12	ICB
	OC48	ICB
	OC192	ICB

(These rates are billed in 15 minute increments.)

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\*Installation charges do not apply when the activated port is ordered for installation at the same time as the multiplexing office function.

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ORIGINAL PAGE 24

16. SONET SERVICE-LOCAL CHANNEL

Local Channels (LC)

	<u>Monthly Charge</u>	<u>Installation Charge</u>
per OC3	ICB	ICB
per OC12	ICB	ICB
per OC48	ICB	ICB
per OC192	ICB	ICB

Access Coordination Function (ACF)

	<u>Monthly Charge</u>	<u>Installation Charge</u>
per OC3	ICB	ICB
per OC12	ICB	ICB
Per OC48	ICB	ICB
Per OC192	ICB	ICB

Special Access Surcharge

(See Voice Grade Local Channel Services Section).

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ORIGINAL PAGE 25

17. CNT Regional Frame Relay Service

Cancellation of an Order

	<u>CANCELLATION CHARGE</u>
- per canceled Regional Access Port	\$550.00
- per canceled Regional PVC	\$ 44.00

Delay of Due Date by the Customer

	<u>DUE DATE CHANGE CHARGE</u>
- per delayed Regional Access Port	\$550.00
- per delayed Regional PVC	\$ 44.00

Expedite of an Order

	<u>NONRECURRING CHARGE</u>
- per expedited Regional Access Port	\$935.00

Regional Access Port Change Charges

	<u>PORT CHANGE CHARGE</u>
- per port speed change or port type change	\$110.00

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17. CNT Regional Frame Relay Service

Regional Access Charges

Regional Access Port Charges Table

Regional Access Port Speed Kbps	Regional Access Port Monthly Charge	Port Interconnection Monthly Charge	Regional Access Port Installation Charge
56	\$ 312.40	\$3,236.20	\$ 880.00
64	\$ 477.40	\$3,236.20	\$1,100.00
128	\$ 544.50	\$3,030.50	\$1,100.00
256	\$ 850.00	\$2,758.80	\$1,100.00
384	\$1,101.10	\$2,534.40	\$1,100.00
512	\$1,128.60	\$2,510.20	\$1,100.00
768	\$1,265.00	\$2,389.20	\$1,100.00
1544	\$1,427.80	\$2,244.00	\$1,100.00

Regional PVC CIR Change Charge

	<u>Regional PVC Change Charge</u>
- per Regional PVC CIR Change	\$27.50

Regional PVC Installation Charges

Installation Charges apply for the installation of each Regional PVC.

	<u>INSTALLATION CHARGE</u>
- per Regional PVC	\$27.50

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ORIGINAL PAGE 27

17. CNT Regional Frame Relay Service

Recurring Charges

Monthly Recurring Charges apply for each Regional IntraLATA PVC and Regional InterLATA PVC as specified in the following Regional PVC Charges Table.

Regional PVC Charges Table

Regional PVC CIR kbps	Regional Monthly Charge
4	\$27.50
8	\$27.50
16	\$27.50
32	\$27.50
48	\$27.50
56	\$27.50
64	\$27.50
128	\$27.50
192	\$27.50
256	\$27.50
384	\$27.50
512	\$27.50
768	\$27.50
896	\$27.50
1024	\$27.50
1536	\$27.50

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ORIGINAL PAGE 28

18. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

Interoffice Services-Multiservice Office Functions

1 X N Control Arrangement

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
Per Arrangement	\$157.30	\$0.00

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ORIGINAL PAGE 29

18 MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

Standard Voice Jacks

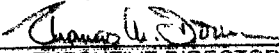
A. Miniature 6 Position Jacks for connection of terminal equipment as follows:

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
Single line telephone set surface or flush mounted	None	\$12.10
Single line telephone set wall mounted	None	\$12.10
Two line non-key telephone sets surface or flush mounted	None	\$12.10
Two line non-key telephone sets wall mounted	None	\$12.10
9dB single data equipment with mode indication and mode indication common leads. This jack is normally used in association with a series jack.	None	\$12.10
Single line 4-wire bridgedtip/ring and tip 1/ring 1 connections	None	\$12.10
Special single line equipment use in hospital critical care areas	None	\$12.10
Three line non-key telephone sets and ancillary devices	None	\$58.30

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ORIGINAL PAGE 30

18. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

Standard Voice Jacks (Cont'd)

- B. 50 Position Miniature Ribbon for connection of multiline terminating equipment and channel derivation devices as follows:

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
For connection to off premises station lines (25 line capacity)	None	\$192.50
For connection of bridged 4-wire tip/ring and tip 1/ring 1 connections (12 line capacity)	None	\$121.00
For connection to two- wire tie trunks E&M type I signaling (12 line capacity)	None	\$192.50
For connection to two- wire tie trunks E&M type II signaling (8 line capacity)	None	\$192.50
For connection to four- wire tie trunks E&M type I signaling (8 line capacity)	None	\$192.50
For use with series devices such as toll restrictors (12 line capacity)	None	\$126.50
For connection to four- wire tie trunks E&M type II signaling (6 line capacity)	None	\$192.50

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ORIGINAL PAGE 31

18. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

Standard Voice Jacks (Cont'd)

C. Series Jacks for connection of terminal equipment as follows:

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
Single line alarm reporting devices	None	\$79.20
Series ancillary devices such as automatic dialers; single line sets with exclusion	None	\$79.20
Two line telephone sets with exclusion on one line	None	\$79.20

D. Weatherproof Jack for use with single line telephone sets used at locations such as boats and marinas

<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
None	\$132.00

Standard Data Jacks

A. Universal Data Jack for use in connecting fixed loss loop and programmed types of data equipment (1 line capacity).

<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
None	\$77.00

B. Programmed Data Jack for use in connecting programmed data equipment. (1 line capacity)

<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
None	\$77.00

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ORIGINAL PAGE 32

18. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

Standard Data Jacks (Cont'd)

- C. Multiple Line Universal Data Jack for use in connecting fixed loss loop and programmed types of data equipment. This jack will terminate up to eight lines. The selection of this jack requires the use of the equipment listed in 1. and 2. below.

<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
None	\$297.00

1. Multiple Line Universal Data Jack Local Channel Cards. For use with. One card per local channel required.

<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
None	\$93.50

2. Multiple Line Universal Data Jack Mounting options. For use with the. One required per.

	<u>MONTHLY CHARGE</u>	<u>INSTALLATION CHARGE</u>
Wall Mounting with cover	None	\$52.80
Rack Mounting (19 inch or 23 inch)	None	\$33.00

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19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

Testing Functions

A. Review of Test Results-IOC

	<u>CHARGE</u>
Per person, first half hour or fraction thereof	\$107.64
Per person, each additional half hour or fraction thereof	\$58.85

B. Review of Test Results-Local Channel

	<u>CHARGE</u>
Per person, first half hour or fraction thereof	\$107.64
Per person, each additional half hour or fraction thereof	\$58.85

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ORIGINAL PAGE 34

19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

Testing Functions (Cont'd)

C. Special Participative Design Review, Technical Analysis and Testing

	<u>CHARGE</u>
Per Person	
1st half hour or fraction	\$107.64
Each additional half hour or fraction	\$58.85

D. Customer Directed Participative Testing

1. InterOffice Channel

	<u>CHARGE</u>
Per person per half hour or fraction thereof for IOC testing	\$34.21
Per Service	
For each bill rendered	\$48.78
For each service in an assembly which has been tested and designated by the customer to be included in a given bill	\$11.72

2. Local Channel

	<u>CHARGE</u>
Per person per half hour or fraction thereof	\$44.00
Per IOC Service	
For each bill rendered	\$50.62
For each service in an assembly which has been tested and designated by the customer to be included in a given bill	\$12.11

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ORIGINAL PAGE 35

19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

Additional Installation/Maintenance Functions

A. Overtime Installation of Interoffice Services/Standby at Central Office

CHARGE

During normal working hours, per  
person

First half hour or fraction  
thereof \$0

Each additional half hour or  
fraction \$34.21

Outside of normal working hours,  
per person

First half hour or fraction  
thereof \$87.95

Each additional half hour or  
fraction \$39.16

B. Overtime Installation of Local Channel Services / Standby at Customer Premises

CHARGE

During normal working hours, per  
person

First half hour or fraction  
thereof \$0

Each additional half hour or  
fraction \$20.35

Outside of normal working hours,  
per person

First half hour or fraction  
thereof \$33.00

Each additional half hour or  
fraction \$24.20

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ORIGINAL PAGE 36

19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

A. Additional Engineering Functions-Interoffice

	<u>CHARGE</u>
During normal working hours, per person	
First half hour or fraction	\$89.10
Each additional half hour or fraction	\$40.32
Outside of normal working hours, per person	
First half hour or fraction	\$93.34
Each additional half hour or fraction	\$44.50

B. Additional Engineering Functions-Local Channel

	<u>CHARGE</u>
During normal working hours, per person	
First half hour or fraction	\$75.35
Each additional half hour or fraction	\$44.83
Outside of normal working hours, per person	
First half hour or fraction	\$82.50
Each additional half hour or fraction	\$53.08

C. Maintenance of Service Charge

	<u>CHARGE</u>
Per Visit	\$71.50

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ORIGINAL PAGE 37

19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

Telecommunications Service Priority (TSP)

A. Interoffice Channels

1. When an order for a TSP provisioning priority is received, the following charge applies per service.

NONRECURRING  
CHARGE  
\$440.00

2. When an order for TSP restoration priority is received, the following charges apply per service.

MONTHLY <u>CHARGE</u>	NONRECURRING <u>CHARGE</u>
\$9.90	\$258.50

3. When an order for a TSP restoration priority level change is received, the following charge applies per service.

NONRECURRING CHARGE  
\$38.50

4. When special construction is necessary, the provisions and charges as set forth within this tariff will also apply.

B. Local Channel

1. When an order for a TSP provisioning priority is received, the following charge applies per service.

NONRECURRING CHARGE  
\$96.80

2. When an order for TSP restoration priority is received, the following charges apply per service.

<u>MONTHLY CHARGE</u>	<u>NONRECURRING CHARGE</u>
\$.99	\$96.80

3. When an order for a TSP restoration priority level change is received, the following charge applies per service.

NONRECURRING CHARGE  
\$95.50

4. When special construction is necessary, the provisions and charges as set forth within this tariff will also apply.

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EXECUTIVE DIRECTOR

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19. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

Provision of a Design Layout Report – InterOffice Channel

A. Design Layout Report Charge

	<u>CHARGE</u>
Per IOC service	\$29.81

B. Administrative Charge

When the Design Layout Report is ordered subsequent to an order to install or rearrange the service, an additional Administrative Charge applies for each order

	<u>CHARGE</u>
IOC DLR Administrative Charge	\$104.83

Provision of a Design Layout Report – Local Channel

A. Design Layout Report Charge

	<u>CHARGE</u>
Per local channel service	\$11.00

B. Administrative Charge

When the Design Layout Report is ordered subsequent to an order to install or rearrange the service, an additional Administrative Charge applies for each order

	<u>CHARGE</u>
Local Channel DLR Administrative Charge	\$104.83

Design Change Charge

	<u>CHARGE</u>
Per design change per IOC	\$136.40
Per design change per local channel	\$30.80

Due Date Change Charge

	<u>CHARGE</u>
Per Local Channel, Per Change	\$30.80

Expedite Charge (Advance of a Due Date)

	<u>CHARGE</u>
Per Local Channel, Per Change	
Terrestrial 1.544 Mbps	\$935.00
Terrestrial 45 Mbps	935.00
Voice Grade Service	935.00

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